A free world education eBook

CASEBOOK

OF

BIBHAS DE

FRANK WILCZEK

AND

THOMAS BANACEK

Are we confusing intellectual profundity with scientific authority?
Is vagueness parading as profundity?

"We have deep depth."
Yogi Berra

"Why is there something rather than nothing?"
Frank Wilczek

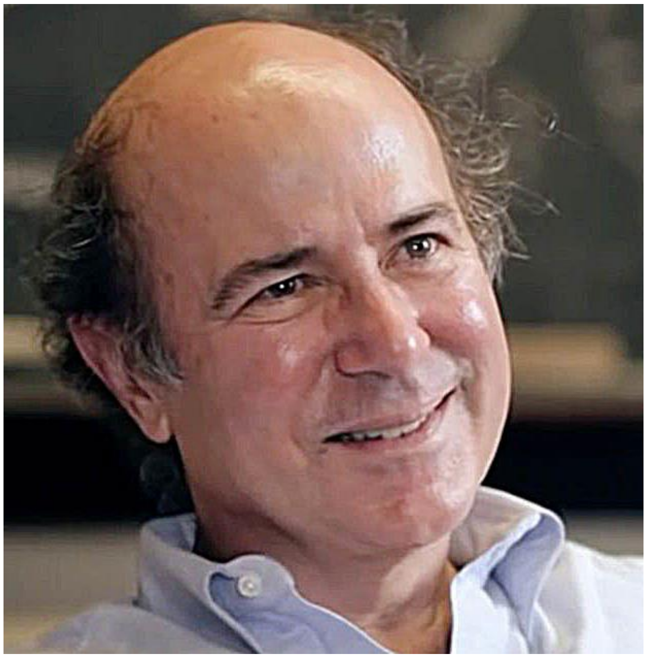
"A wise man never tries to warm himself in front of a painting of a fire."
Thomas Banacek

Sic transit gloria mundi

02/22/2022

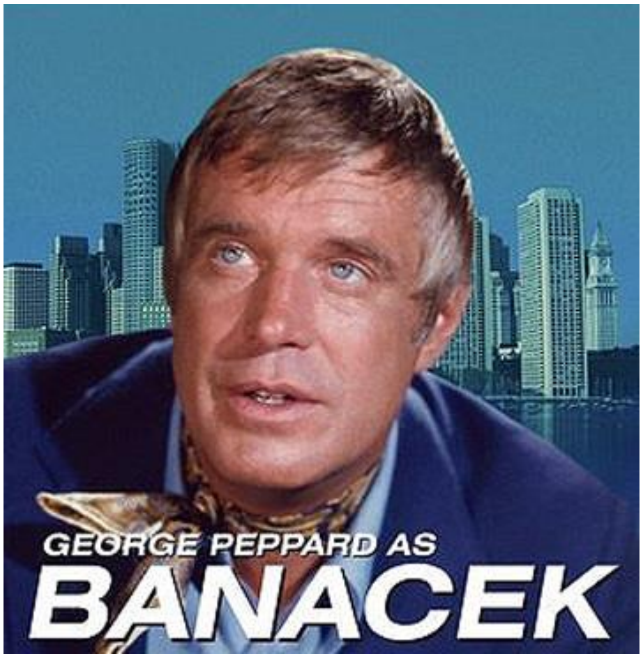
From Wikipedia:

Frank Anthony Wilczek



(born May 15, 1951) is an American theoretical physicist, mathematician and a Nobel laureate. He is currently the Herman Feshbach Professor of Physics at the Massachusetts Institute of Technology (MIT), Founding Director of T. D. Lee Institute and Chief Scientist at the Wilczek Quantum Center, Shanghai Jiao Tong University (SJTU), Distinguished Professor at Arizona State University (ASU) and full Professor at Stockholm University. … Born in Mineola, New York, Wilczek is of Polish and Italian origin.

Thomas Banacek



is an American detective TV series starring George Peppard that aired on the NBC network from 1972 to 1974. …Peppard played Thomas Banacek, a Polish-American freelance, Boston-based private investigator who solves seemingly impossible thefts. He collects from the insurance companies 10% of the insured value of the recovered property. One of Banacek's verbal signatures is the quotation of strangely worded yet curiously cogent "Polish proverbs".

INTRODUCTION

I did not plan to write about Frank Wilczek exclusively. This eBook was to be about the happening physics/godtalk synergy. But Wilczek and Banacek seem to go together – in multiple ways! So, I will take Wilczek as a representative of today's physics pathfinders – a kind of hodgepodge of Einstein and Spinoza and Keats and Maharishi – with a dash of Carl Sagan thrown in.

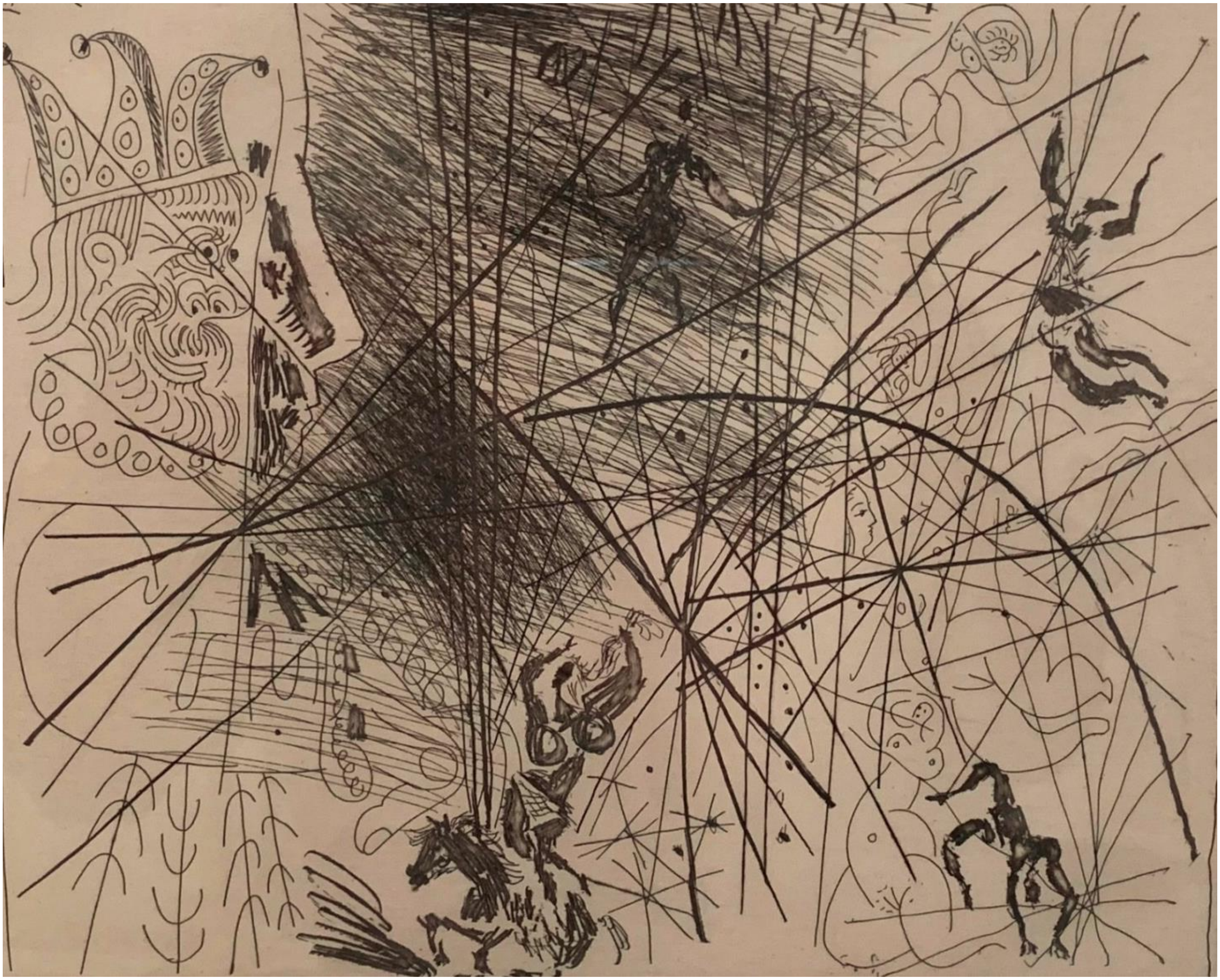
The view of physics presented to the world today – to the young generations especially - is the view *they* project: A Circus-Circus like round-the-clock show – complete with high-wire acrobats and clowns, fops and dandies, jugglers and contortionists.

A young person finishing high school may well think that this is what they have in store if they choose to go into physics. They might get the view that physics is laws and logic, beauty and transcendence, spirituality and religiosity. This may attract some and scare some off.

But a more existential point here is this: While the gurus project themselves as the go-to people in physics, do they actually have the scientific authority by virtue of their being the self-appointed loudhailers of the Lord?

What has become all too clear today is that the entire physics establishment applauding someone as a genius is no guarantee that he is one. The gold standard of peer-reviewed publication, *Physical Review Letters*, routinely publishes trash. Big scientific collaborations, showily put together from members from the elite schools, can be the antithesis of scientific competence. What is absolutely clear today is that this establishment can be objectively judged only by physics outsiders.

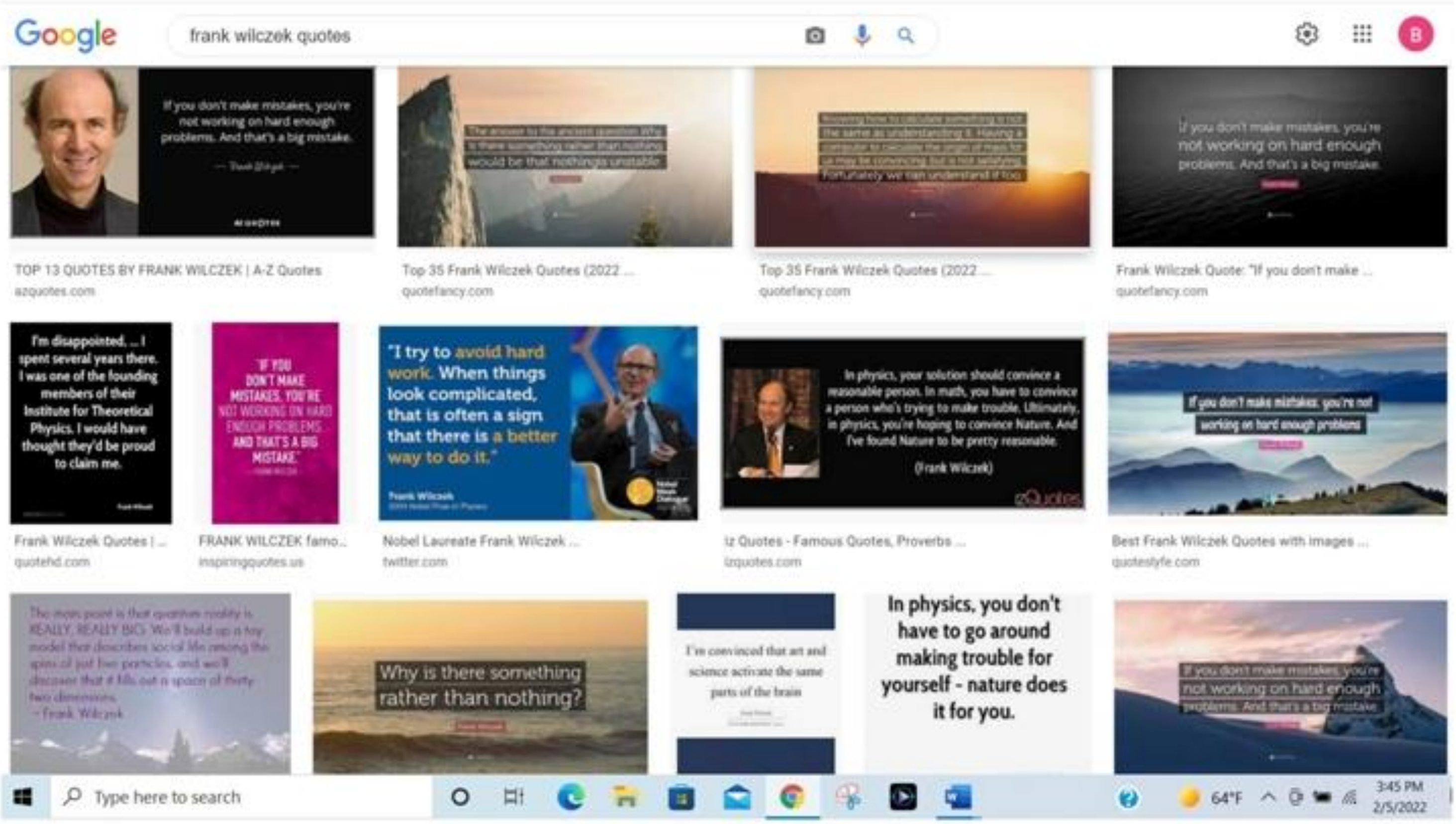
Frank Wilczek has projected a sagelike authority behind three areas especially: Big Bang, gravitational wave (BICEP2, LIGO), and Black Hole photography. Every one of these is an exposed megafraud. As Banacek says: *There’s a Polish saying – Read the whole library, my son, but the cheese will still smell after four days.*



Circus Acrobats by Pablo Picasso

COPIOUS QUOTESMITHING:

A Google image search on 'frank wilczek quotes' turns up a treasure trove of pithy sayings, crafted no doubt with great care. Framed posters are also available for gifting.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2/5/2022

If you don't make mistakes, you're not working on hard enough problems. And that's a big mistake.

I'm disappointed. ... I spent several years there. I was one of the founding members of their Institute for Theoretical Physics. I would have thought they'd be proud to claim me.

"IF YOU DON'T MAKE MISTAKES, YOU'RE NOT WORKING ON HARD ENOUGH PROBLEMS. AND THAT'S A BIG MISTAKE."

"I try to avoid hard work. When things look complicated, that is often a sign that there is a better way to do it."

In physics, your solution should convince a reasonable person. In math, you have to convince a person who's trying to make trouble. Ultimately, in physics, you're hoping to convince Nature. And I've found Nature to be pretty reasonable.

(Frank Wilczek)

If you don't make mistakes, you're not working on hard enough problems

Why is there something rather than nothing?

I'm convinced that art and science activate the same parts of the brain

In physics, you don't have to go around making trouble for yourself - nature does it for you.

THE WILCZEK GENRE OF SCIENCE?

"For a century, science has invalidated 'soft' questions about truth, beauty, and transcendence. It took considerable courage therefore for Frank Wilczek to declare that such questions are within the framework of 'hard' science. Anyone who wants to see how science and transcendence can be compatible must read this book (*A Beautiful Question*). Wilczek has caught the winds of change, and his thinking breaks through some sacred boundaries with curiosity, insight, and intellectual power." —Deepak Chopra, M.D.

IS WILCZEK INEVITABLE?

"Twelve good horses and silver candlesticks won't stop the snow from falling in Bialystok." It's an old Polish saying. – Thomas Banacek

Frank Wilczek is a formidable presence in today's physics scene. He has a sharp mind and a broad base. He is at the same time a fine specialist and a good generalist. It must be acknowledged that he has deep knowledge of existing physics and its history. On all this I consider him unassailable.

Beyond all this, he is also a tremendous influencer of physics. I mean, he has real power. Even though an American, he rules the roost in Swedish physics scene into which he has many tentacles. Through this influence, through being a Nobel Laureate himself, and through being a member of the Royal Swedish Academy of Sciences, he is triply powerful in the process of award of the Nobel Prize in physics. And *that* is real power.

Frank Wilczek, Edward Witten and Ulf Danielsson were doctoral students of David Gross while Gross was at Princeton. Gross is a naked wielder of influence in Physicsville. Witten totally controls the ritzy Breakthrough Prize, and Danielsson has a voice in the award of the Nobel Prize. Wilczek's close friend Lawrence Krauss opened up a whole another kitschy world – whose denizens range from Stephen Hawking to Jeffrey Epstein. And then Brian Greene – the emcee of a glitzy platform

- is close to Wilczek and Witten. These men were also close to Steven Weinberg – the grand doyen of physics until his death. So you begin to see the sprawling dynasty Wilczek is a part of. If you are a physics insider bucking for something, it wouldn't do to tick him off.

All this goes to show one thing: No establishment insider will ever publicly criticize anything about Wilczek. But this does not mean he has not done things for which he should be called out. This calling out concerns not his knowledge/understanding of existing science but his exploration of new frontiers. The two are different things. An expert glacier hiker is not necessarily a shoe-in for an arctic explorer.

Wilczek had a part in every single megafraud that came along during his professional career. Not only that. He expanded on them himself to explore even newer territories along those lines.

Wilczek is a theorist. If he takes to be implicitly true what experimenters/observers tell him and then runs with it, I would be slow to fault him. It is an understandable, even necessary, issue of professional trust. Where he becomes blameworthy is when he ignores contrary information just because it does not come in a regulation manila folder that moves through official channels. For a scientist to ignore readily available critical scientific information under some procedural pretext, and then to carry on as if nothing were amiss, is a gross act of dishonesty. But it is the modus operandi with today's physics establishment.

There is such a thing called physics gut. If you have it, and if someone lays on you what the Big Bang or LIGO or BICEP2 or EHT scientists lay on you, you would surely be troubled. There is such a thing called physics gut.

DAVID GROSS, PHYSICS NOBELIST

How the influencer influences

David Gross and students: Frank Wilczek, Ulf Danielsson, Edward Witten

DAVID GROSS is a wrong-headed influencer in physics. His own Nobel-winning discovery was a sham. Then, with his Nobel power, he has been forcefully installing the froufrou sciences of String Theory and Multiverse, and fraud sciences of Big Bang, Cosmic Blackbody, Black Holes and LIGO. He likely influenced the many awards of the Prize in these areas. He has the authority to nominate for Nobel.

FRANK WILCZEK is an advisor to the Swedish physics establishment. When Wilczek speaks, Swedes listen. As a Nobel Laureate himself (for the said sham discovery), he has the authority to nominate. He also has deep depth.

ULF DANIELSSON is one of the physic Nobel Prize decision-makers, and a public face for the Nobel Committee.

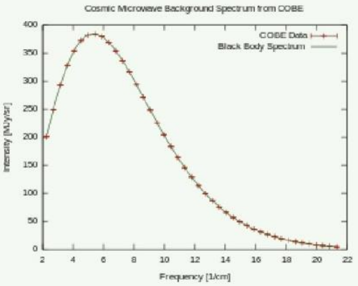
EDWARD WITTEN is a Breakthrough Prize decision-maker. This way he has bolstered the aforementioned areas. As winner of the Crafoord Prize, Witten also holds sway over the Royal Swedish Academy of Sciences that gives out the Nobel Prize. He is officially connected to Vatican science.

This dynasty has bastardized physics to suit themselves, and gaslighted the world into an opium-divan stupor.

Bibhas De 12/18/2021

GOLDEN AGE OF COSMOLOGY

Everything they touch turns out to be shockingly precision. Time and time again, predictions of theory's luftmenschen based on hairy math were verified by top flight high-tech chelovek at top flight academia with such numerical exactitude as would make you forget your ATM password.

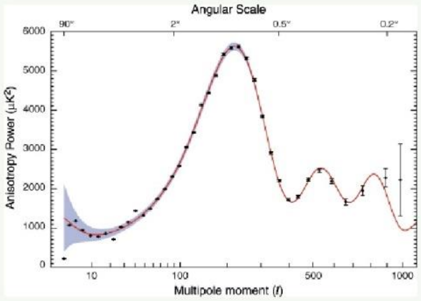


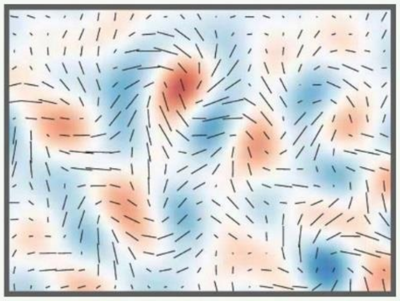
COBE COSMIC BLACKBODY SPECTRUM

What is really was: An intricate fraud. A dotted Planck spectrum theory curve was plotted on top of a continuous theory curve. A lot of high-tech mumbo jumbo was used to pass off the dotted curve as experimental data.

WMAP INFLATION THEORY

What it really was: Wily graphsmanship. This has nothing whatsoever to do with Big Bang. That suggestion is a blatant fraud.



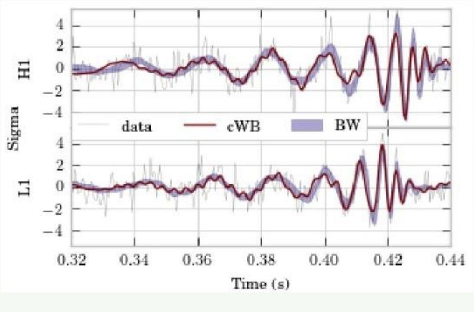


BICEP2 SKY SWIRL MAP

What it really was: A quack instrumentation job. The quackery became fraud when they covered it up.

LIGO BLACK HOLES IPO AND M&A

What it really was: A billion dollar instrumental botch up. It became fraud when they repeatedly averred it to be fine, and continued to spend public money on it.



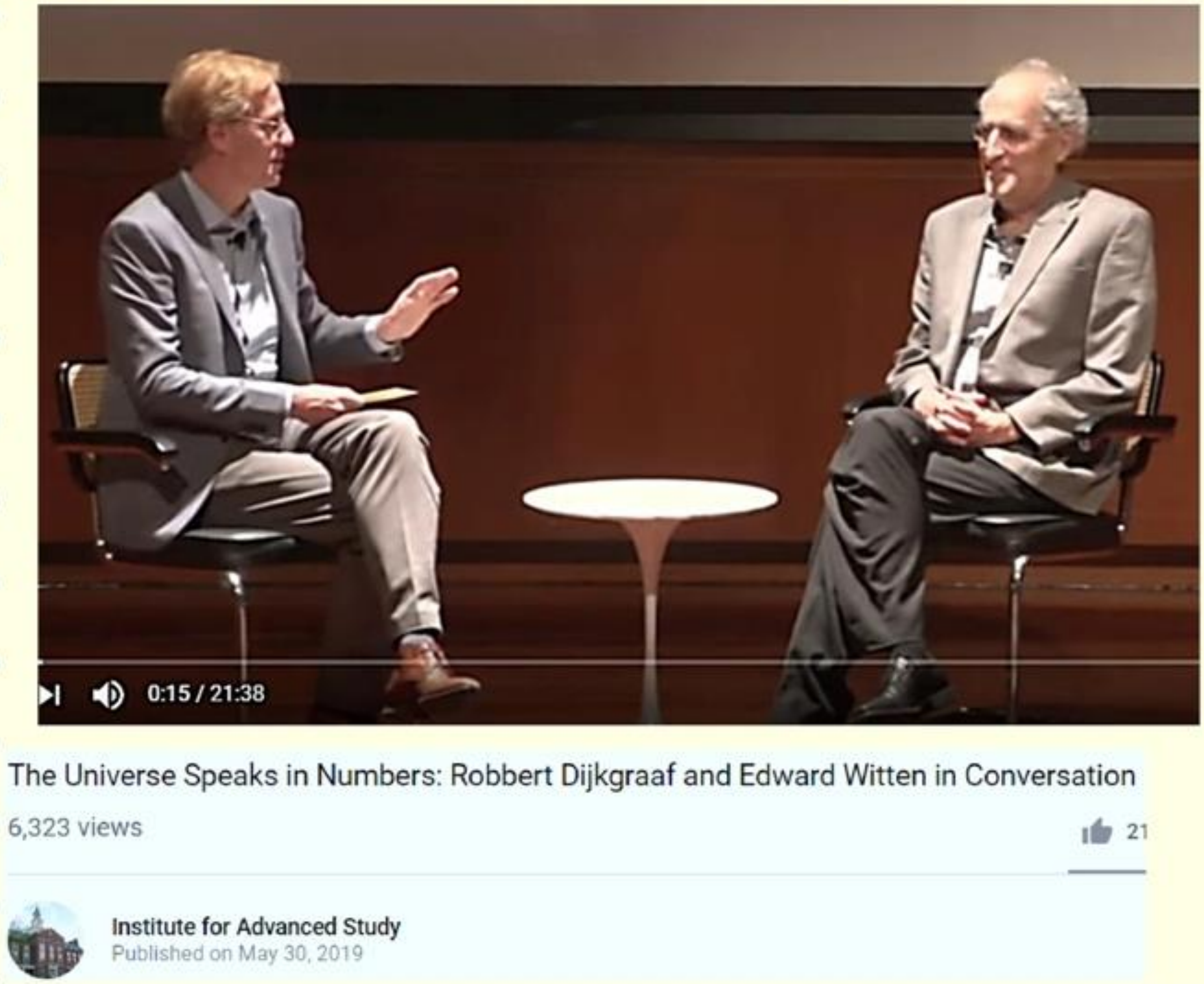
NATIONAL SCIENCE FOUNDATION IS RIGHT NOW EMPHASIZING THESE AREAS FOR CURRENT AND FUTURE FUNDING.

A world education message from Bibhas De 04/23/2016

Transcendent Physics

TALKING PRETTY

WHY ARE THEY TAWKIN' PURDY?



The Universe Speaks in Numbers: Robbert Dijkgraaf and Edward Witten in Conversation

6,323 views

21

Institute for Advanced Study
Published on May 30, 2019

These are two happening physics glitterati who have spent their scientific careers on frou-frou physics. But what the world is not being told is that whenever charged with assessing actual, consequential physics, they cannot cut it (see the graphics below.) They were free to not tackle these issues, but they chose to stake their reputation on these. Their authority in physics has been tested and found wanting. On the whole they should have stayed with their youthful passions: Fine Arts and History, respectively. 06/10/2019

LEMMA ON LIGO DISCOVERY OF GRAVITATIONAL WAVE

ENDORSERS : OPPOSERS = BEAUTY : BRAIN

Here we have a quintessential representative of the establishment endorsers of the LIGO discoveries. Dijkgraaf is a string theorist and a happening philosopher. Johnson is an Applied Mathematician, with a reputation of being a rebel. The exact same point about LIGO makes one talk pretty and the other think. The distinction between endorsers and opposers cannot be made any clearer. We are well into *The Age of Fakery*.

ROBBERT DIJKGRAAF, IAS, PRINCETON UNIVERSITY

"It is equivalent to seeing light for the first time," said physicist Robbert Dijkgraaf, director of the Institute for Advanced Study in Princeton, N. J., where Einstein once worked. "It is poetic that the most intense collisions in the history of the universe are measured with the most delicate instrument we have ever built." – *WSJ*

CLAES JOHNSON, ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM

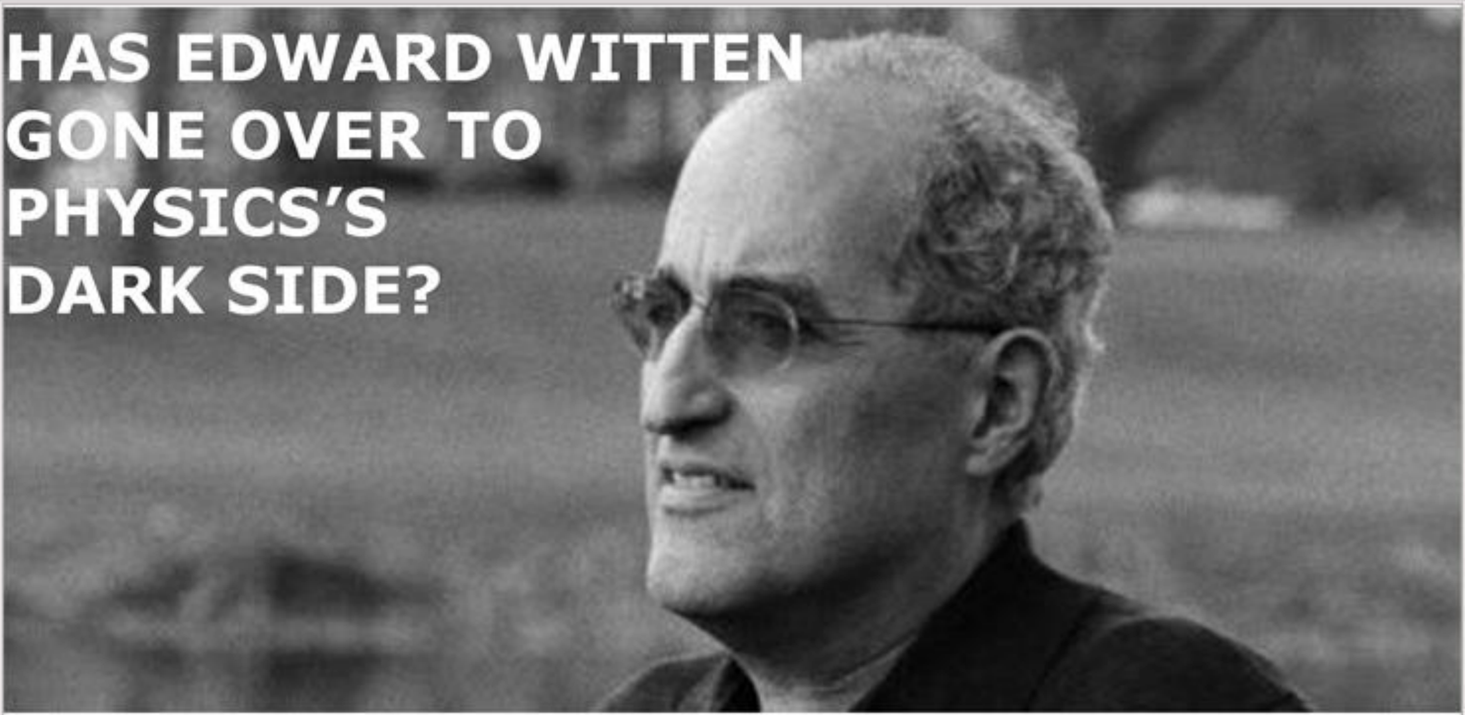
"We see a combination of a biggest possible cause/input and a smallest possible effect/output in a certain mathematical model. The conclusion comes from using this mathematical model in inverse form, where a smallest possible signal is used to identify a biggest possible origin of the signal.

This means that the mathematical model in inverse form is extremely **ill-posed** and as such cannot be used to draw conclusions. To do so requires that all alternative explanations of the zero signal can be eliminated, and it is then not enough to just say that no other explanation immediately suggest themselves, that is to draw conclusions from ignorance with the precision of the conclusions increasing as the ignorance or stupidity grows." - *His blog post titled "Absurdity of Modern Physics"*

Duty to Inform

A world education message from Bibhas De 12/11/2018

HAS EDWARD WITTEN GONE OVER TO PHYSICS'S DARK SIDE?



WHY IS HE *REPEATEDLY* ENDORSING THE MARCH OF SCAM/FRAUD PHYSICS?

DARK ENERGY/ACCELERATING UNIVERSE (2011)

"(Dark Energy is) the most startling discovery in physics since I have been in the field. It was so startling, in fact, that I personally took quite a while to become convinced that it was right."

LIGO GRAVITATIONAL WAVES (2016)

"Things that seemed like science fiction when I was a graduate student are now real as a result of the LIGO observation of gravitational waves. Now that we are able to observe gravitational waves, there is no telling what we will find. It may be that the skies are full of "cosmic strings" that we can only observe because of their gravitational signal."

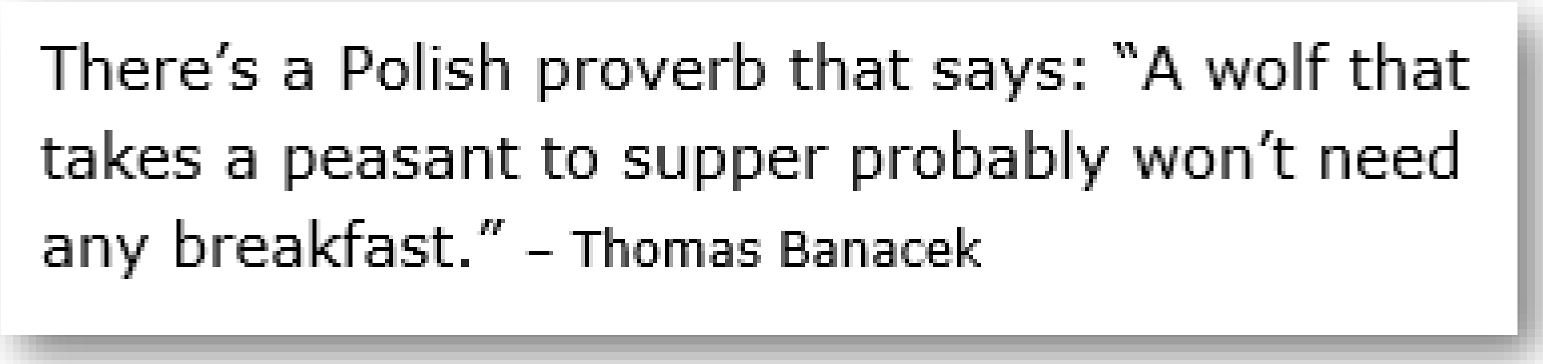
BIG BANG INFLATION THEORY (2017)

"During the more than 35 years of its existence, inflationary theory has gradually become the main cosmological paradigm describing the early stages of the evolution of the universe and the formation of its large-scale structure."

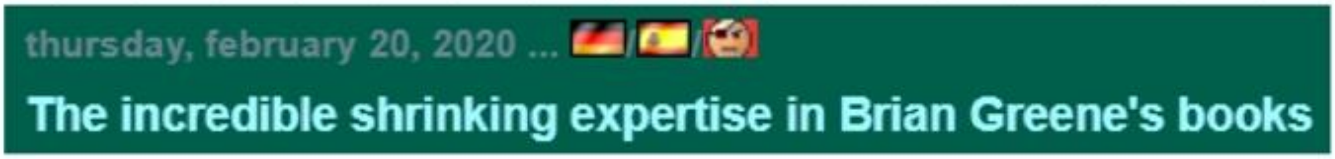
A world education message from Bibhas De 05/20/2017

Transcendent Physics

EXISTENTIAL ANGST
ABOUT
LIFE’S IMPERMANENCE



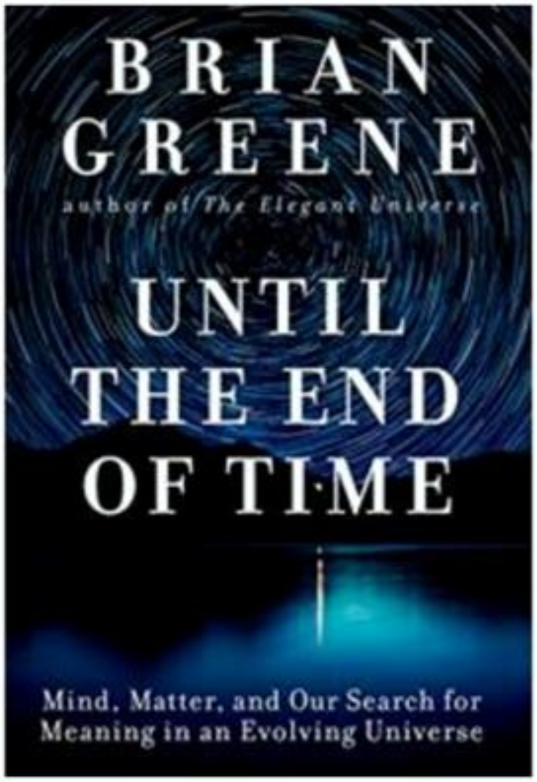
There’s a Polish proverb that says: “A wolf that takes a peasant to supper probably won’t need any breakfast.” – Thomas Banacek



thursday, february 20, 2020 ...

The incredible shrinking expertise in Brian Greene's books

by Luboš Motl, *The Reference Frame*

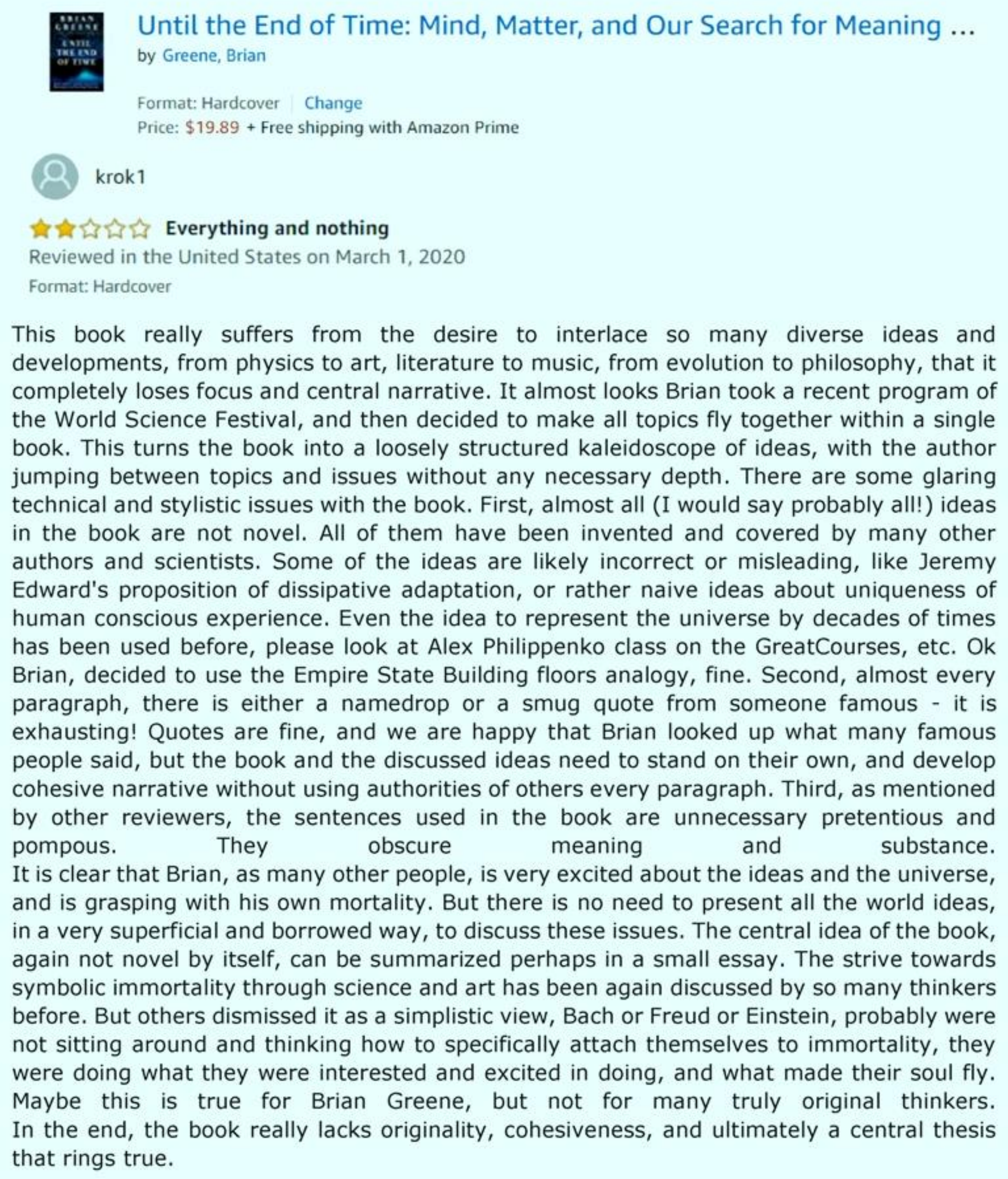

BRIAN
GREENE
author of The Elegant Universe
UNTIL
THE END
OF TIME
Mind, Matter, and Our Search for
Meaning in an Evolving Universe

"It feels like Brian Greene always wanted to write similar generic low-brow pop science and any texts about more high-brow topics were just his own personal preparation for the much wider book market of moronic readers who can apparently produce higher profits for the writers…….

"(BRIAN GREENE) is just "spending" his perceived image as a scientist to make higher profits from the same stuff that pretty much every writer about "general philosophical questions" may write equally but what he is writing and saying has virtually nothing to do with scientific research (and they often flagrantly contradict each other), at least not the research in recent decades or a century."

02/26/2020

I found the following review of Brian Greene's new book on Amazon.com most astute. It reveals Greene's fake intellectualism.



Until the End of Time: Mind, Matter, and Our Search for Meaning ...

by Greene, Brian

Format: Hardcover | Change

Price: $19.89 + Free shipping with Amazon Prime

krok1

★★☆☆☆ **Everything and nothing**

Reviewed in the United States on March 1, 2020

Format: Hardcover

This book really suffers from the desire to interlace so many diverse ideas and developments, from physics to art, literature to music, from evolution to philosophy, that it completely loses focus and central narrative. It almost looks Brian took a recent program of the World Science Festival, and then decided to make all topics fly together within a single book. This turns the book into a loosely structured kaleidoscope of ideas, with the author jumping between topics and issues without any necessary depth. There are some glaring technical and stylistic issues with the book. First, almost all (I would say probably all!) ideas in the book are not novel. All of them have been invented and covered by many other authors and scientists. Some of the ideas are likely incorrect or misleading, like Jeremy Edward's proposition of dissipative adaptation, or rather naive ideas about uniqueness of human conscious experience. Even the idea to represent the universe by decades of times has been used before, please look at Alex Philippenko class on the GreatCourses, etc. Ok Brian, decided to use the Empire State Building floors analogy, fine. Second, almost every paragraph, there is either a namedrop or a smug quote from someone famous - it is exhausting! Quotes are fine, and we are happy that Brian looked up what many famous people said, but the book and the discussed ideas need to stand on their own, and develop cohesive narrative without using authorities of others every paragraph. Third, as mentioned by other reviewers, the sentences used in the book are unnecessary pretentious and pompous. They obscure meaning and substance.

It is clear that Brian, as many other people, is very excited about the ideas and the universe, and is grasping with his own mortality. But there is no need to present all the world ideas, in a very superficial and borrowed way, to discuss these issues. The central idea of the book, again not novel by itself, can be summarized perhaps in a small essay. The strive towards symbolic immortality through science and art has been again discussed by so many thinkers before. But others dismissed it as a simplistic view, Bach or Freud or Einstein, probably were not sitting around and thinking how to specifically attach themselves to immortality, they were doing what they were interested and excited in doing, and what made their soul fly. Maybe this is true for Brian Greene, but not for many truly original thinkers.

In the end, the book really lacks originality, cohesiveness, and ultimately a central thesis that rings true.

Transcendent Physics

BIG BANG GODTALK

THREE POPES ON BIG BANG

Pope Pius XII, Pope Benedict XVI, and Pope Francis

If we look back into the past at the time required for this process of the "expanding universe," it follows that, from one to ten billion years ago, the matter of the spiral nebulae was compressed into a relatively restricted space, at the time the cosmic processes had their beginning.

Pope Pius XII (November 1951)

According to the widely accepted scientific account, the universe erupted 15 billion years ago in an explosion called the 'Big Bang' and has been expanding and cooling ever since. Later there gradually emerged the conditions necessary for the formation of atoms, still later the condensation of galaxies and stars, and about 10 billion years later the formation of planets.

Pope Benedict XVI (endorsing the position statement as Cardinal Ratzinger in 2004)

The Big Bang, which today we hold to be the origin of the world, does not contradict the intervention of the divine creator but, rather, requires it.

Pope Francis (October 2014)

BIG BANG COSMOLOGY:

An imaginary dialogue between Belgian priest/physicist Georges Lemaître and Pope Pius XII (~ 1930s)

Georges Lemaître originated the cosmology that would later come to be known as Big Bang Cosmology – today considered a scientific fact, and made an official part the Catholic worldview. The observational verification of Big Bang Cosmology has been exposed to be a gigantic, concerted scam.

Abbe Lemaître: Most Holy Father, Thank you for seeing me. I got a bone to pick with you!

Pope Pius XII: Pick.

Abbe: You have described my cosmological theory of the Cosmic Egg as a vindication of the Bible. That creates problems for me. It undermines my credibility as a scientist.

Pope: Have you brought Neuhaus chocolates from Belgium?

Abbe: The chocolates are yours, Most Holy Father (offers the box with two hands). Now, the other day a Swede named Hannes Alfvén – who has some stature as a scientist – said he overheard me say that my theory supports Saint Thomas Aquinas' creationist doctrine.

Pope: Did he?

Abbe: So there is a campaign to discredit me – and thus my theory. Most Holy Father, with your leave, I would like to keep my faith and my science separate. My theory is no more religion than the Binomial Theorem is religion.

Pope: Ah the Swedes, they make fine mazarins.

Abbe: So Most Holy Father, I will say publicly that my theory is not meant to support the Bible ...

Pope: And ... ?

Abbe: Of course it is a theory of creation *ex nihilo*. My vision is that in a few decades this will become an official part of the Catholic doctrine. I am slowly handing down the job to the Americans – with their technology prowess they are the best equipped to fulfil the long-term vision. Unbeknownst to them, protestants, jews, atheists – everyone will serve the cause. I have already taken some observations of the American Edwin Hubble and adapted these into the service of the cause.

Pope: Dominus vobiscum.

Abbe: Et cum spiritu tuo.

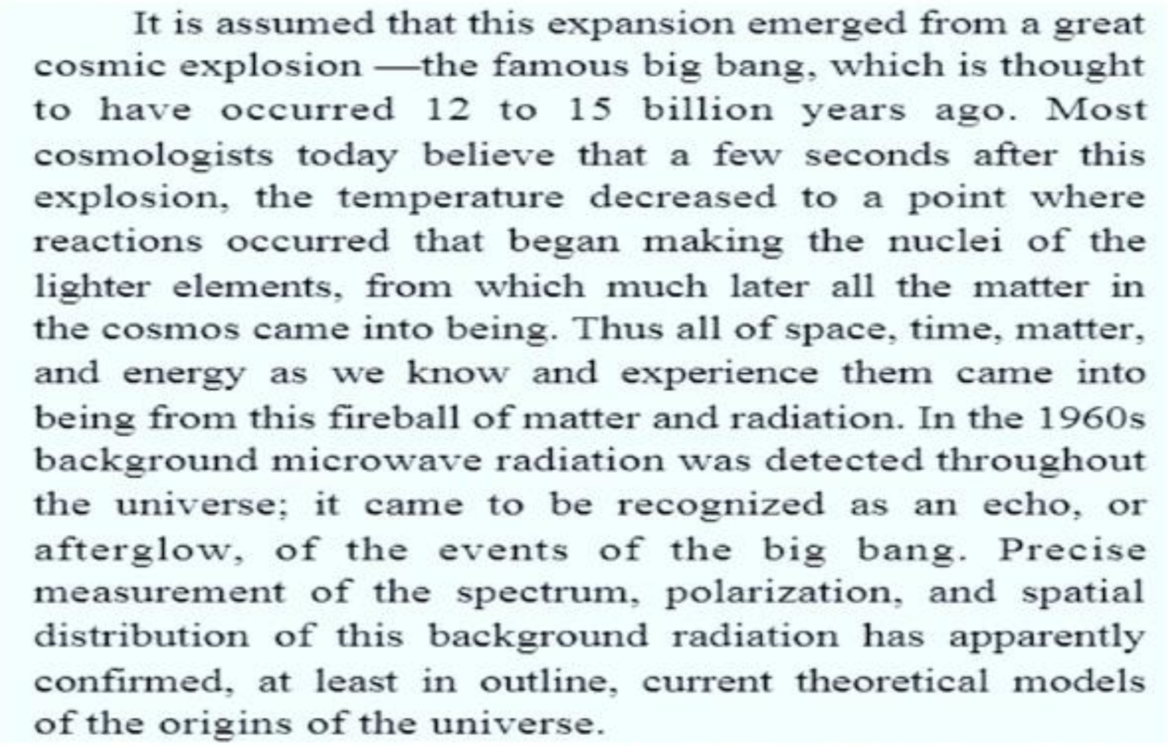
A public education message from www.bibhasde.com 1/2013

HIS HOLINESS THE DALAI LAMA

on Big Bang Cosmology and Buddhism

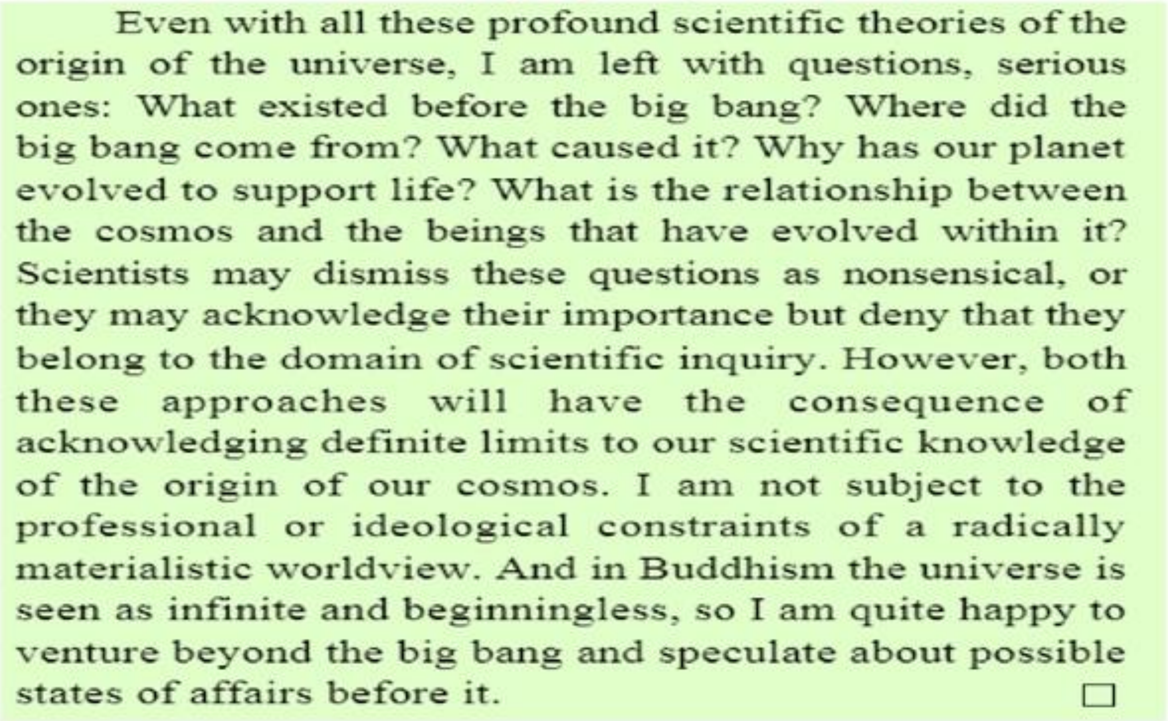
http://www.scienceandculture-isna.org/jan-feb-14/je3wptnp/target.html

His Holiness first describes accurately the garbage science the western scientific authorities peddled to him:



It is assumed that this expansion emerged from a great cosmic explosion —the famous big bang, which is thought to have occurred 12 to 15 billion years ago. Most cosmologists today believe that a few seconds after this explosion, the temperature decreased to a point where reactions occurred that began making the nuclei of the lighter elements, from which much later all the matter in the cosmos came into being. Thus all of space, time, matter, and energy as we know and experience them came into being from this fireball of matter and radiation. In the 1960s background microwave radiation was detected throughout the universe; it came to be recognized as an echo, or afterglow, of the events of the big bang. Precise measurement of the spectrum, polarization, and spatial distribution of this background radiation has apparently confirmed, at least in outline, current theoretical models of the origins of the universe.

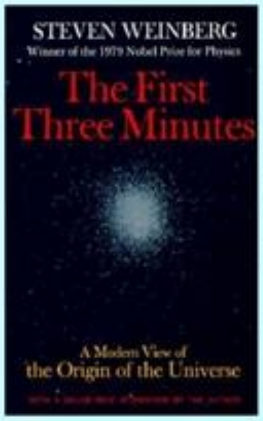
His Holiness disagrees and offers his own logic to which he remains steadfast. (He could not have known about my exposing of the above science as a fraud!)



Even with all these profound scientific theories of the origin of the universe, I am left with questions, serious ones: What existed before the big bang? Where did the big bang come from? What caused it? Why has our planet evolved to support life? What is the relationship between the cosmos and the beings that have evolved within it? Scientists may dismiss these questions as nonsensical, or they may acknowledge their importance but deny that they belong to the domain of scientific inquiry. However, both these approaches will have the consequence of acknowledging definite limits to our scientific knowledge of the origin of our cosmos. I am not subject to the professional or ideological constraints of a radically materialistic worldview. And in Buddhism the universe is seen as infinite and beginningless, so I am quite happy to venture beyond the big bang and speculate about possible states of affairs before it. □

A world education message from Bibhas De 07/29/2015

STEVEN WEINBERG IN DIALOGUE WITH PHEMISTOMELES


STEVEN WEINBERG
Winner of the 1979 Nobel Prize for Physics
The First Three Minutes
A Modern View of the Origin of the Universe

[Staunch atheist Steven Weinberg who won the Physics Nobel Prize for his work on elementary particle physics is today the grand doyen of Big Bang Cosmology, a creation-out-of-nothing science placed in evidence as a scam. Weinberg has since had more than five years to denounce this field. He continues to uphold it and to make money from it.]

(Steven Weinberg is sitting alone in his office, contemplating his lake view. Suddenly, there appears out of nowhere a talking animal.)

Phemistomeles: Greetings, Doctor Weinberg. I am Phemistomeles, Chief Emissary of the Non-denominational Godhead. I have come to persuade you to join the fold. You can join any Division you wish – Christianity, Judaism, Hinduism … no prob. And in return, we will make you a bargain. We will give you fame, fortune, knowledge, Helen of Troy … anything at all.

Weinberg: I already have most of these. And I really don't like God. So no, I don't want to make a Phemistian Bargain with you.

Phemisto: Why do you not like God?

Weinberg: With or without religion you would have good people doing good things and evil people doing evil things. But for good people to do evil things, that takes religion.

Phemisto: OK, in your own field of science, give me an example of good people doing good things.

Weinberg: An honest scientist doing beneficial science.

Phemisto: And evil people doing evil things?

Weinberg: A corrupt scientist imposing scam science upon humanity.

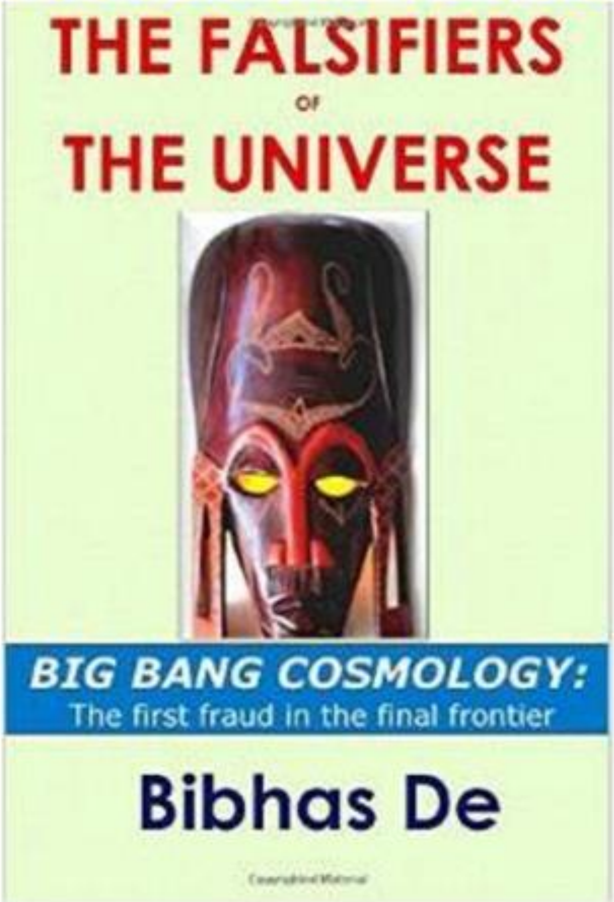
Phemisto: So what would be an example of good people doing evil things?

Weinbeg: Why, of course, an honest scientist imposing scam science upon humanity.

Phemisto: But I thought you were an atheist!

Exeunt Phemisto

A public education message from www.bibhasde.com 2/2013



THE FALSIFIERS
OF
THE UNIVERSE

BIG BANG COSMOLOGY:
The first fraud in the final frontier

Bibhas De

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UNDER THE AEGIS OF THE GODDESS OF TRUTH
THE AUTHOR INVESTIGATES
BIG BANG COSMOLOGISTS

Excerpts from the book:

Slowly abject scientific quackery had morphed into diabolic deceit. Increasingly strident rhetoric about advanced space-age technology and fantastic measurement accuracy was made to swirl around the deceitful discovery. Every power group that could be mobilized to protect the enterprise was mobilized to protect it. Every accolade that could be bestowed to whitewash over it was bestowed to whitewash over it.
It was a very dark chapter of science.

There is a Bengali proverb about sleaziness: ***Lewd dancing going on behind the veil of modesty.*** **Here we have an entire phantasmagoric orgy being played out on the world stage – among the noblest of noble intellectuals. Taxpayers are footing the bill.**

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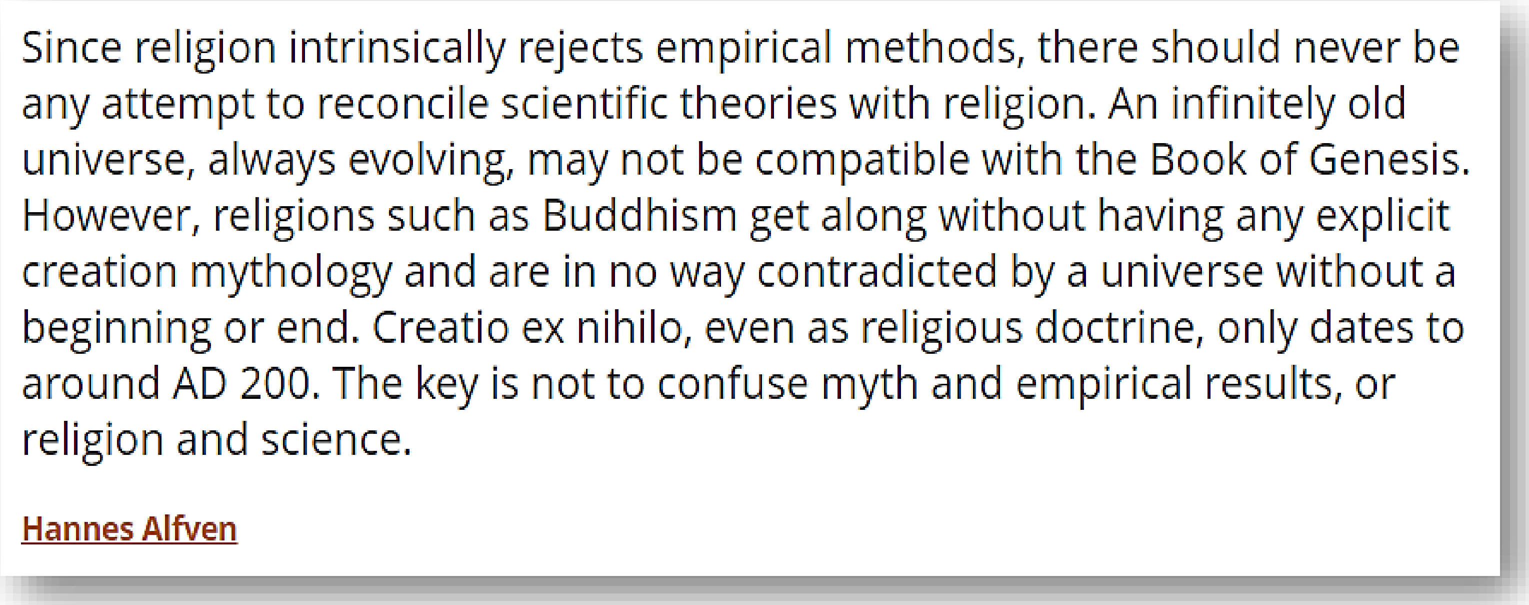
STEVEN WEINBERG, *Physics Nobel Laureate*

To some, Weinberg's support of Big Bang cosmology may have a particular ring of scientific authenticity. There exists today a view that Big Bang cosmology has religious overtones or undertones, that there is a religious agenda behind it. That may have had the potential of diminishing the subject as a pure science. But Weinberg is a self-proclaimed atheist. So he strengthens Big Bang in a way no one else does.

……..

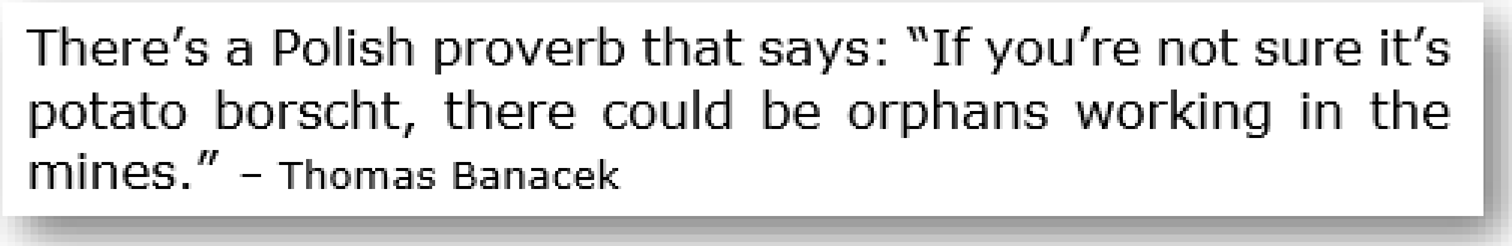
Thus Steven Weinberg's scientific worldview is informed by imagined events of fourteen billion years ago. In his mindscape the Big Bang inflationary space has gradually morphed to as hard a metal-and-mortar surrounded reality as the core space of a particle accelerator. This should give us deep pause.



Since religion intrinsically rejects empirical methods, there should never be any attempt to reconcile scientific theories with religion. An infinitely old universe, always evolving, may not be compatible with the Book of Genesis. However, religions such as Buddhism get along without having any explicit creation mythology and are in no way contradicted by a universe without a beginning or end. Creatio ex nihilo, even as religious doctrine, only dates to around AD 200. The key is not to confuse myth and empirical results, or religion and science.

Hannes Alfven

ASYMPTOTIC FREEDOM:
CAN A DIAGRAM SCAM?



There's a Polish proverb that says: "If you're not sure it's potato borscht, there could be orphans working in the mines." – Thomas Banacek

Let's start by asking where the source of Wilczek's formidable scientific authority lies. This is a legitimate and needful inquiry. If someone wields an inordinate amount of power in some endeavor, we should not all be content to rely on hearsay that his authority is unassailable. A few must actually probe this matter.

Wilczek's claim to fame is the discovery of Asymptotic Freedom in the Standard Model of subatomic particles and forces. He co-discovered this with his teacher David Gross, and with David Politzer. The three received the Nobel Prize in Physics in 2004.

The discovery may be right. But it has not been shown to be right by means of accepted scientific standards. See my graphics below. It can most definitely be said that the field remains open to new contribution. It is not sewn up by scientific standards.

So, what kind of scientific authority should flow from this discovery?

There is such a thing called physics gut. Those who have it would have trouble with the Wilczek discovery stratagem.

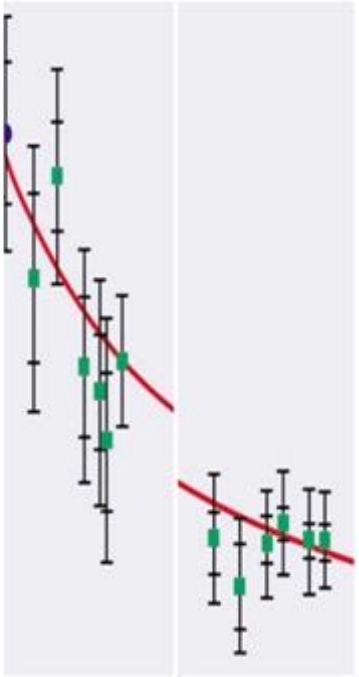
PHYSICS MEGAFRAUD MEGATREND

An occasional public-education series from Bibhas De

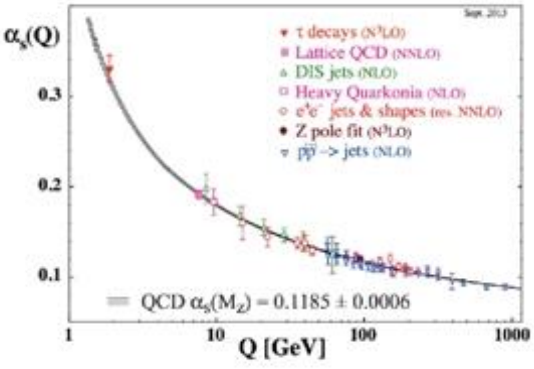
THREE MEN MAKE A MATCH

(*"That which has horns cannot be wrapped."* – Bantu proverb)

Frankie, David and David – the three guys are on a tear. To distinguish between the Davids, let's call one Talksalot. They make a theory and get their hands on some experimental data. They logically choose two representative segments of the theory curve: one fast-changing and one leveling off. They plot the experimental data on them. There is no agreement whatsoever. What now?! Frankie says: Let me philosophize on this beautiful question. Talksalot says: Let me think over a fag.



Between the fag and the philosophy, they hit upon the idea that is the *actual* discovery. Frankie says: Let's make a *big* x-diagram and then put the y-squeeze on.

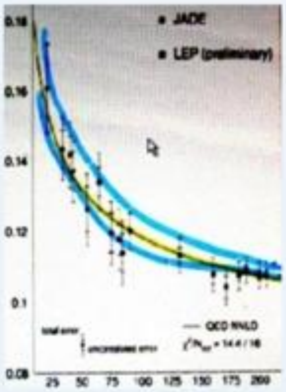


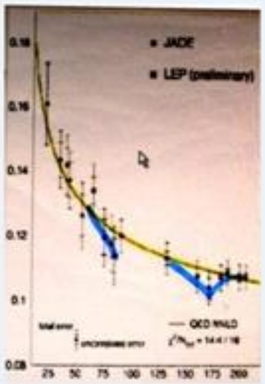
Ta-da – theory and data match! The discovery of *asymptotic freedom* in subatomic particles gets the Nobel 2004, and becomes a story of civilization.

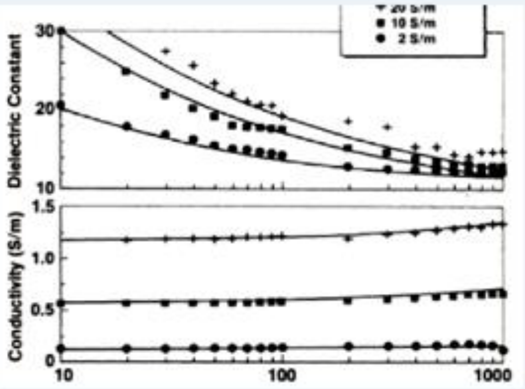
12/31/2021

A SNAPSHOT FOR LINDAU NOBEL 2015 ATTENDEES: ***DAVID GROSS***

At LiNo2015, look for Physics Nobel Laureate David Gross to pony up on the Big Bang bet he so publicly made at LiNo2012. Besides promoting Big Bang (long placed in scientific evidence as a fraud by me), he also promotes String Theory, essentially a device for physicists to engage in intellectual autostimulation. So the central question is: What exactly is *his* scientific authority? His discovery is *asymptotic freedom* (part of "Standard Model"). This is a sham. I discussed this years ago, but let me give you a gist. Consider the figures where something is plotted against something else (never mind what things.) The theory (continuous line) and experimental data are compared. Such a comparison led to the 2004 Nobel Prize in Physics to Frank Wilczek, David Politzer and David Gross (WPG).







FIRST, in the WPG diagram, extreme left, one can most readily see that a multiplicity of theory curves (bracketed by the two cartoon blue felt tip lines) would fit the data with comparable statistical significance. It is just that there were not presented any other theory curves by any other groups.

So how can the one curve presented be declared the clinched discovery?

SECOND, in the same WPG diagram, middle, you can see that there are sharp features in the data (marked with blue felt tip) that are either true effects or measurement artifacts.

(Pay no mind to theorists dismissing these as statistical scatter. They would!)

If these features are due to truly operative subnuclear processes, then how does the theory curve that misses them altogether become the clinched discovery?

If these features are accelerator-origined measurement artifacts, then large portions of the data set are suspect. There is certainly no theory verification here.

The extreme right diagram is an unrelated experiment on a mundane matter (*Phys. Rev.* **B 34**, 5145, 1986.) But this example illustrates my two points above.

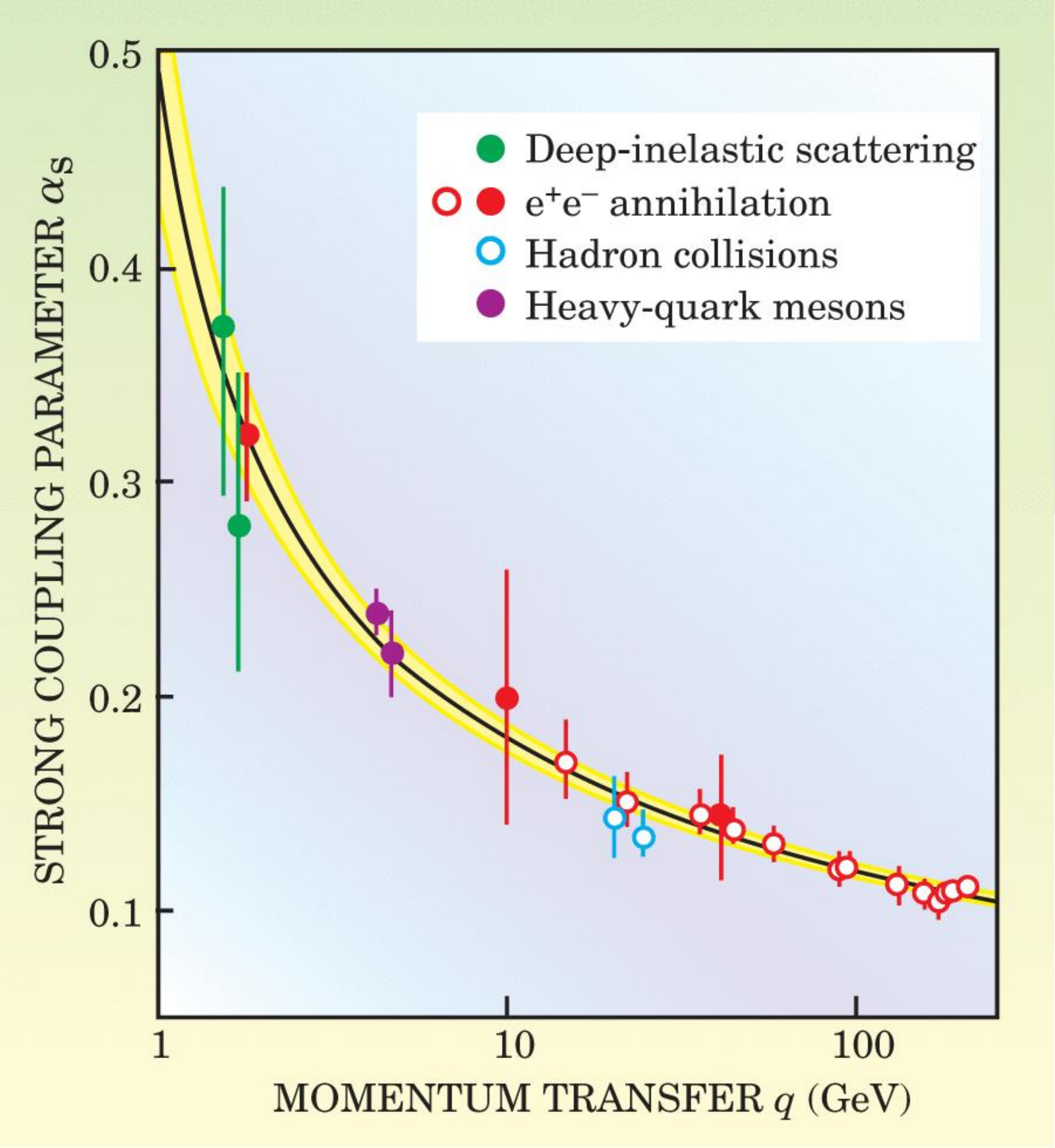
FIRST, the good fit here was later improved upon by a different theory by others.

SECOND, if you did not know how to avoid the pitfalls of this experiment, the data set would show a similar sharp feature, resulted from a measurement artifact called phase wraparound. This would corrupt the adjacent data regions also.

The defect of the WPG discovery is at the basal level of theory-experiment comparison. This fact is kept obscured by quantum theory and math and accelerator technology so that no one can see that the "Emperor" is buck naked.

LORD HAVE MERCY! A world education message from Bibhas De 06/23/2015

However, where science is lacking, “beauty” takes over. Many visually convincing graphics such as this have been bandied around. They totally mask the fatal fault behind the “discovery”.



Here is the beautiful point I would make about the discovery. The theory is a monotonic descending curve. It offers no nuances. I would guess that other reasonable theories might produce such a generic tend without great difficulty. But the experimental data, if you look at them by themselves at various scales, do not favor a monotonic trend. The nuances are the important clues to what is going on. Wilczek has come up with the profile of a camel that misses the hump altogether.

In awarding the Nobel Prize for asymptotic freedom, the Nobel Committee made a number of points relating to how difficult it is to calculate the prediction of the theory, and then to compare it with experimental data. Given all this difficulty, they said that the theory-experiment match shows that it is the correct theory:

Although there are limits to the kind of calculations that can be performed to compare QCD with experiments, there is still overwhelming evidence that it is the correct theory. Very ingenious ways have been devised to test it and the data obtained, above all at the CERN LEP accelerator, are bounteous. Wherever it can be checked, the agreement is better than 1%, often much better, and the discrepancy is wholly due to the incomplete way in which the calculations can be made.

Here’s my take on this comment:

A. If the experimental data are good enough to be touted as overwhelming evidence for the success of the theory, then the selfsame data are just as good to question the theory.

B. If we are talking of agreement of better than 1%, then any discrepant features in the data at this level are significant to the proceedings as discrepancies. The nuances become extremely important by this stated criterion alone.

C. Do you believe that the ‘incomplete’ calculation is what caused the theory to miss the nuances of the data? Absolutely not. There is nothing in the theory to produce anything other than a monotonic descending curve.

If today you were making a theory *ab initio*, you would no more ignore unexplained troughs in experimental data than you would ignore the camel’s hump. In both cases, the most stringent test of the theory would be the ability to reproduce the dips/nulls or the hump.

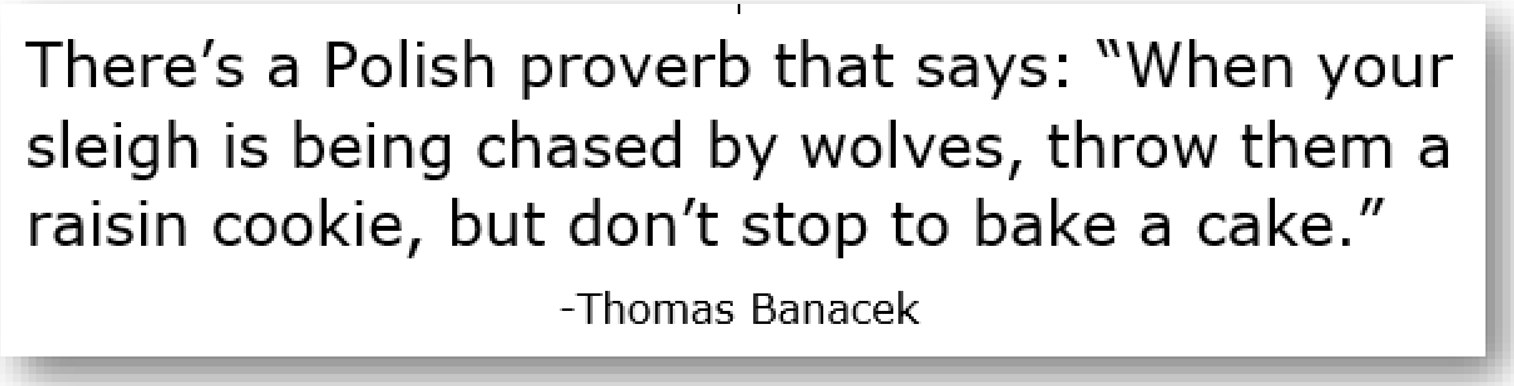
One other point. Do not get bogged down with arguments about the statistical goodness of fit between theory and data. It will be said that the theory curve is contained within all the error bars, and therefore the fit is good. Never mind the sharp and the obvious dip features. On this basis, you can fit a straightline to sinusoidal data points.

As to the 1% accuracy of agreement of the theory with data that have far larger uncertainty, it will be said that the data accuracy is statistically improved to this level by taking a large number of measurements. Sounds very cogent, right? Suppose that for a given energy level x GeV, you have a vertical distribution of experimental data points from repeated measurements. You replace these points by a single point, and some statistical deviation measure of better than 1%. That is what is being said. But what about experimental error bars? These are arrived at not from the repeated measurements but from detailed analysis of the experiment itself, and are not improved by accumulating statistics. And if these experimental error bars were better than 1% to begin with, why were not these bars shown in the latest diagrams?

The point: Statistics cannot improve upon irreducible experimental limitations. Nor, if you have actually studied statistics as a science discipline, does it ever claim to do so. People who do not have hands-on experience with design and conduct of experiments cannot understand this, and say foolish things with great authority. And do not forget what the experiment here is: Particles being smashed together in large-scale accelerators, and then observed with highly complex machinery. Better than 1% experimental accuracy? I think not. Better than 1% statistical accuracy? May be, but it does not mean anything.

If the dips are real, asymptotic freedom is in question. If the dips are experimental artifact, then the whole experiment is in question, and therefore asymptotic freedom is in question.

BIG BANG:
SOMETHING'S GAINING ON WILCZEK?



There's a Polish proverb that says: "When your sleigh is being chased by wolves, throw them a raisin cookie, but don't stop to bake a cake."

-Thomas Banacek

Frank Wilczek is at first a particle theorist and a quantum theorist. Cosmology is at the other end of the size spectrum. However, the two seemingly separate fields are connected through the concepts of Dark Matter and quantized gravitation. This is how he became deeply involved with cosmology. So now, Wilczek's broader milieu is Big Bang cosmology. This point is important: Cosmology is not a sideline for him anymore; it was what defines him today as a scientist.

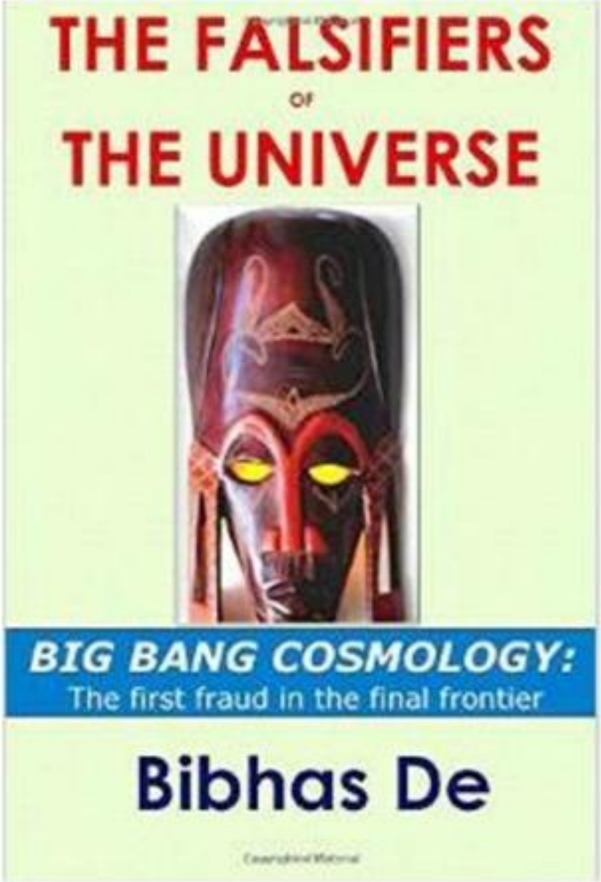
It is also the field that offers the best ideational channel for those intimations of immortality to come down from the firmament.

Both Wilczek and his teacher David Gross are strong supporters and promoters and practitioners of Big Bang. Additionally, Wilczek is personally invested in this field through his contribution to the concepts of axion (Dark Matter) and gravitons (quantized gravitational waves.)

Big Bang is easily the longest-running scam in the history of science. The most blatant fraud that played out most overtly in the scientific establishment without any questioning of any kind is this: When Planck Satellite Collaboration issued the final report, they needed to refer back the discovery of the 2.7 K cosmic blackbody. Why? Because they had made a conscious decision not to do the absolutely essential thing with their satellite: Test the existence of this blackbody themselves from their convincing vantage in space (Sun-Earth L2). The reason is that they *knew* the blackbody was not there to detect. They *knew* that the COBE Satellite discovery of the blackbody by NASA John was a total fraud. So what do they do now?

They totally deep-six the 1989 NASA full-spectrum blackbody at 2.7 K obtained with phenomenal precision (or even the 1990 Herbert Gush 2.7 K full-spectrum blackbody with equal precision) and refer back to the rinky-dink 1965 discovery by Penzias and Wilson of a ~ 3.5 K blackbody, based on an approximate observation at a single frequency very far from the peak frequency of the spectrum. However, they base their analysis on the 2.7 K number and offered no basis for *this* number.

Wilczek is not an experimentalist, but there is nothing in the above developments for him to not be able to understand. He is deliberately placing his weight behind a gigantic fraud. No amount of televangelism can undo this bad act in science.



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JOHN CROMWELL MATHER, *Big Bang Nobel Laureate*

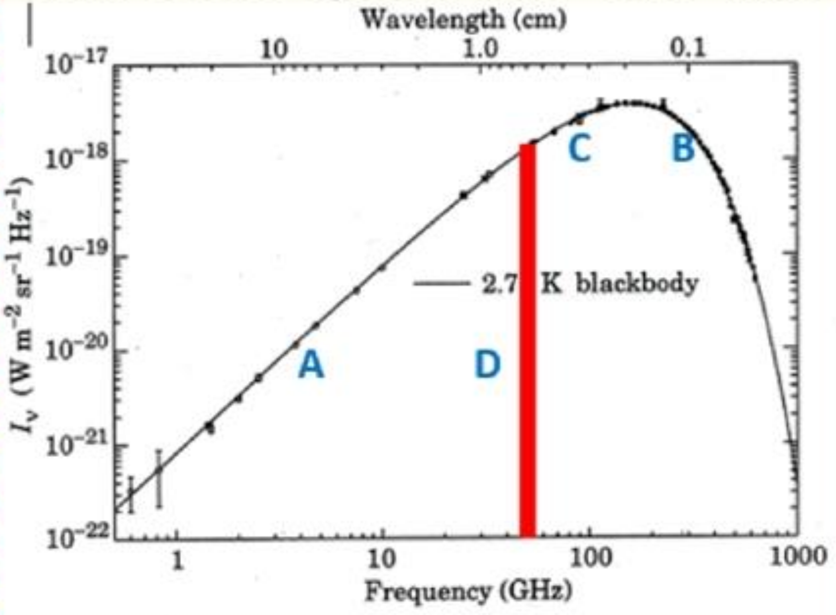
There is a horror movie called *The Village* where the inhabitants often use an ominous phrase "The things of which we do not speak." This refers to some ghoulish creatures that reside in the forest next to the village and prey upon the villagers. Applied to the aforementioned community, this phrase would refer to the John Mather blackbody, for everyone simply clammed up on this (except for some blackbody die-hards I will discuss later.) When the WMAP satellite results were reported amid great fanfare, no one asked the first and the most obvious question about how the five-frequency data points fell on the blackbody curve. When the Planck satellite results were released after creating an atmosphere of great anticipation, again no one asked how the nine-frequency data points fell on the curve. There truly was a concerted conspiracy of silence. Scientists and the media conspired to deceive the world. As we shall discuss later, the Government and the Legislature became a party to this. And as if all this support was still not enough, the Vatican pitched in.

And to think that they were all going to get away with this. The Universe was going to stay forever falsified.

BIG BANG IS PSEUDOSCIENCE

If you define pseudoscience as reliance on created facts and aversion of actual facts, nothing fits this better than Big Bang. This huge construct rested on *cosmic black body radiation* – a term they no longer use. Today it is *thermal background radiation*. Big Bang has won multiple Nobel Prizes.

A: The Penzias-Wilson 1964 observation at a single frequency could in no way, shape or form find a full spectrum. This was the first fraud.



B: John Mather's COBE satellite measurement of the spectrum is in evidence as a totally quack job.

C: George Smoot falsely confirmed the Mather fraud.

D: Paris Herouni, unconnected to Big Bang, found by direct radio-astronomy observation that at his frequency (red line) there is no such radiation on the sky.

All other data points are crap. WMAP and Planck satellites were the only two scientifically suitable experiments capable of looking for this spectrum but, oddly, they both avoided doing just that.

There is no thermal radiation on the sky.

Bibhas De 12/17/2019

WMAP and Planck satellites, observing from the L2 orbit, were ideally suited to detect the black body (the monopole) without any Earth contamination. Strangely, a decision was made in both case to *not* do this. Later, under pressure, explanations were put out that the satellites did not measure the spectrum because they did not provide the kind of electronics needed to do so! Why not? Because they already had the fantastic COBE results, and it was unnecessary to repeat it.

Now, see the following graphic. In the case of COBE satellite, George Smoot was able to convert his dipole measurement to a monopole measurement using the motion of the satellite. Even though Smoot's dipole was very preliminary, he was able to obtain the blackbody temperature with phenomenal precision, exactly equaling Mather's direct measurement of the monopole.

Why did WMAP and Planck not do the Smoot calculation? Their dipole measurements were far superior to that of Smoot. They should have been able to obtain the blackbody with unprecedented accuracy.

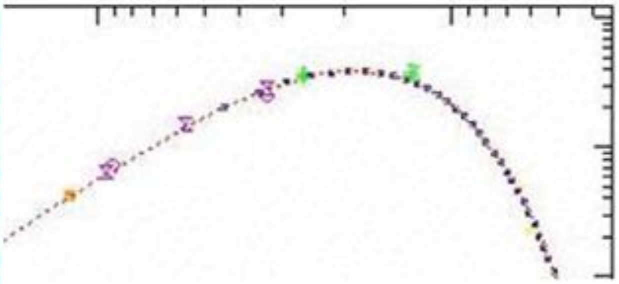
This is the extent to which scientists on taxpayer payroll on both sides of the Atlantic collusively deceived the taxpayers.

And this is the kind of thing the Wilczeks and the Grosses routinely helped cover up.

TALES OF THE BIG BANG NOBELISTS

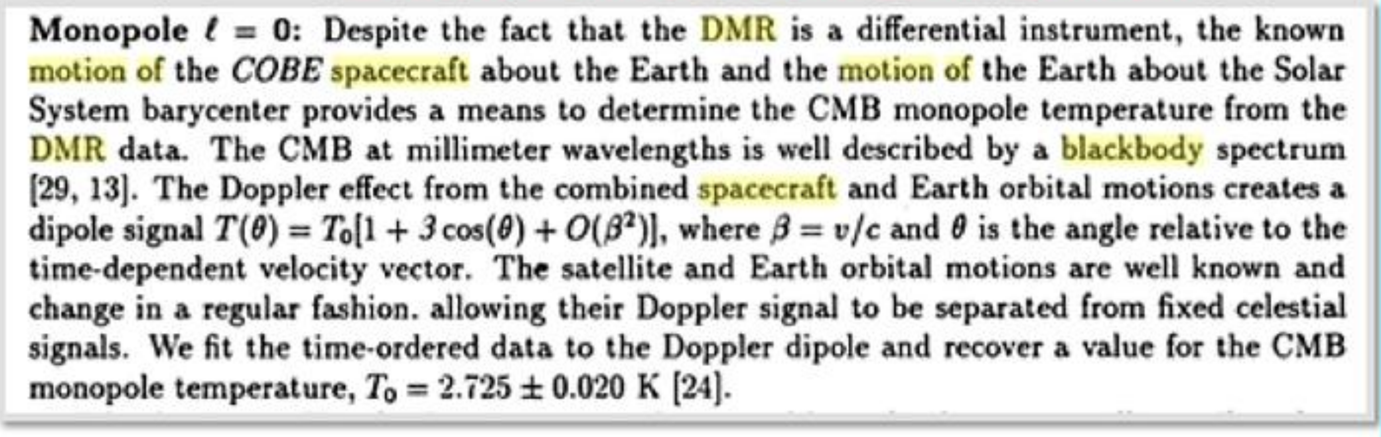
This one's hilarious! These guys are a riot!

COBE Satellite had two independent experiments: John Mather's FIRAS to measure the full cosmic blackbody radiation spectrum ("monopole"), and George Smoot's DMR to measure the anisotropy ("dipole") of this radiation. DMR could not measure the temperature, but a very roundabout way was found to estimate this indirectly from the DMR anisotropy data for three frequencies. Uncannily, FIRAS and DMR temperatures agreed to the third decimal place!



JOHN MATHER'S FIRAS BLACKBODY SPECTRUM: **2.726** K, WITH GEORGE SMOOT THREE MEASUREMENTS POINTS SUPERIMPOSED (3 purple x's)

GEORGE SMOOT BLACKBODY: **2.725** K



Monopole $\ell = 0$: Despite the fact that the DMR is a differential instrument, the known motion of the *COBE* spacecraft about the Earth and the motion of the Earth about the Solar System barycenter provides a means to determine the CMB monopole temperature from the DMR data. The CMB at millimeter wavelengths is well described by a blackbody spectrum [29, 13]. The Doppler effect from the combined spacecraft and Earth orbital motions creates a dipole signal $T(\theta) = T_0[1 + 3\cos(\theta) + O(\beta^2)]$, where $\beta = v/c$ and θ is the angle relative to the time-dependent velocity vector. The satellite and Earth orbital motions are well known and change in a regular fashion. allowing their Doppler signal to be separated from fixed celestial signals. We fit the time-ordered data to the Doppler dipole and recover a value for the CMB monopole temperature, $T_0 = 2.725 \pm 0.020$ K [24].

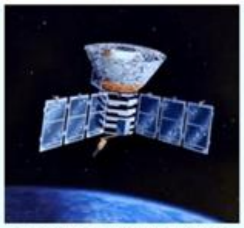
There's just a little more to this story. The Mather temperature was totally bogus – made out of whole cloth. There's no such blackbody and no such temperature. Ole Georgie Boy had landed precisely on the + mark, in the wrong heliport!

Duty to Inform

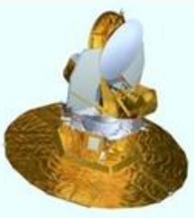
A world education message from Bibhas De 01/14/2019

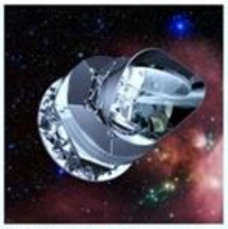
WHY ALL-SEEING SATELLITES WERE ONE-EYED JACKS

PENZIAS-WILSON

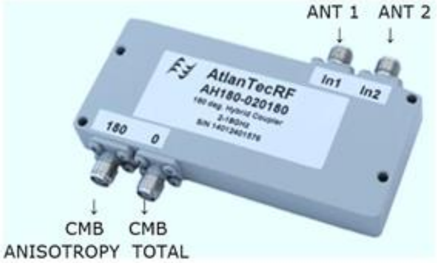

COBE SATELLITE

COBRA ROCKET


WMAP SATELLITE


PLANCK SATELLITE

Big Bang Cosmology rests 100.00% on the assumed presence of the ~3 K cosmic blackbody radiation. Take that away and the whole enterprise collapses like a house of cards. First discovery of this blackbody: Penzias and Wilson, 1965 (ground-based). Full spectrum: COBE Satellite, 1989 (900 km high polar orbit), COBRA Rocket, 1990 (rocket above atmosphere). After such affirmation, a transatlantic understanding was made between NASA and ESA that the blackbody need not be tested again, even though two subsequent satellites, NASA WMAP and ESA Planck, tasked primarily to measure CMB anisotropy, also had the provision to make direct measurement of the blackbody spectrum at multiple frequencies (14 between the two.) Refer to the figure, left. All three satellites (COBE-DMR, WMAP, and Planck) had such a device with two output ports that gave both the CMB anisotropy *and* the total CMB power. Each satellite was endowed with *two* eyes. Measurement of this total CMB power would have been the only direct observation ever of the blackbody spectrum. For WMAP and Planck, it would also have been the only observation from deep space – away from any Sun/Earth contamination (such criticism has been raised). But this incumbent issue of rechecking the blackbody was avoided by depriving the TOTAL port of its appropriate signal detection electronics. The blinded port gave researchers plausible deniability.



The blackbody discoveries by Penzias-Wilson, COBE and COBRA - all indirect detections - have been shown to be totally bogus. This was known to the planners of WMAP and Planck at the time.

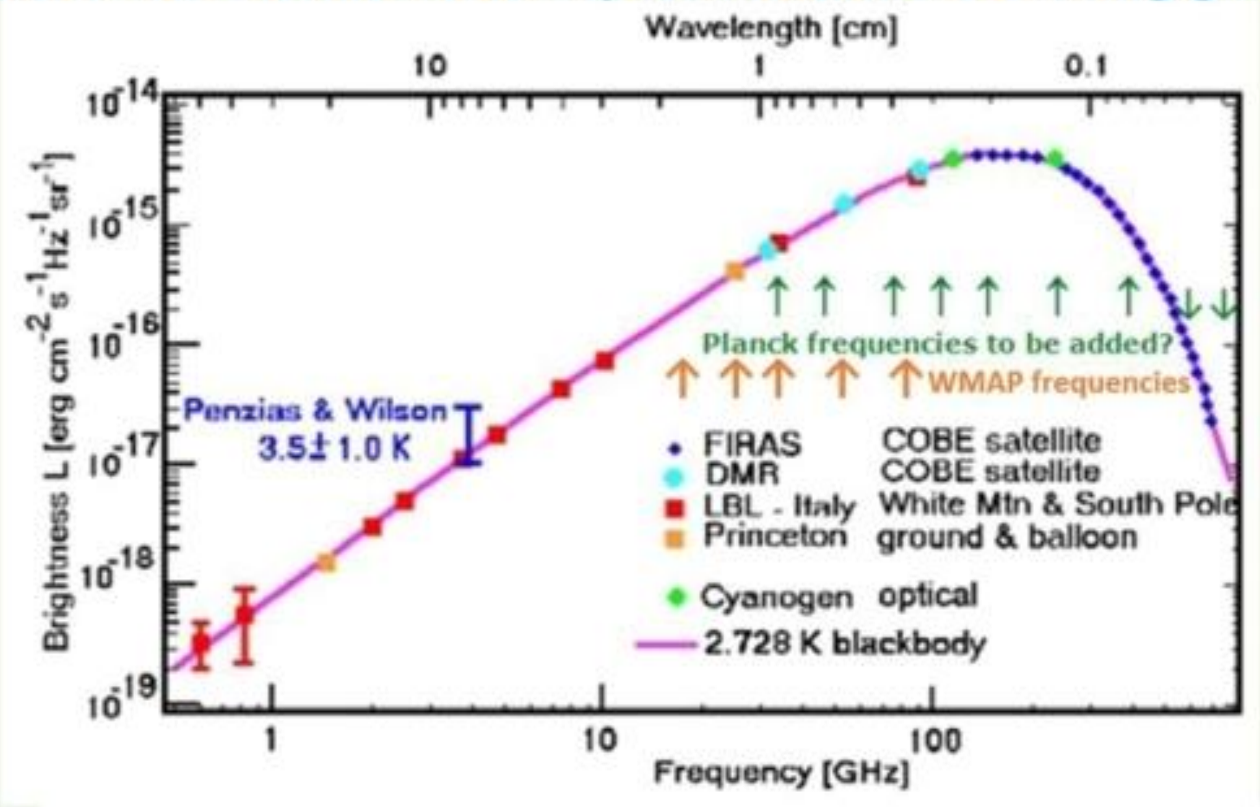
Duty to Inform

A world education message from Bibhas De 01/05/2019

THE COMMUNAL DIAGRAM

justifying Big Bang Cosmology and Inflation Theory

This diagram brings together data from a variety of sources, clinching the Big Bang Black Body spectrum. The COBE Satellite data represented the crowning glory.



WMAP Satellite Frequencies (GHz): 22 30 40 60 90
Planck Satellite Frequencies (GHz): 30 44 70 100 143 217 353 545 857

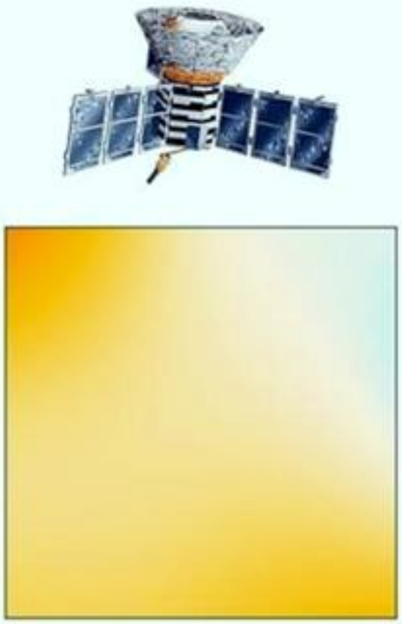
A logical continuation of this diagram – for exactly the same reason (mutual corroboration, synergy, wholesomeness of science) why it was constructed thus far – would require the plotting of the five data points from the WMAP Satellite (locations approximately marked by orange arrows) and nine data points from the Planck Satellite (green arrows).

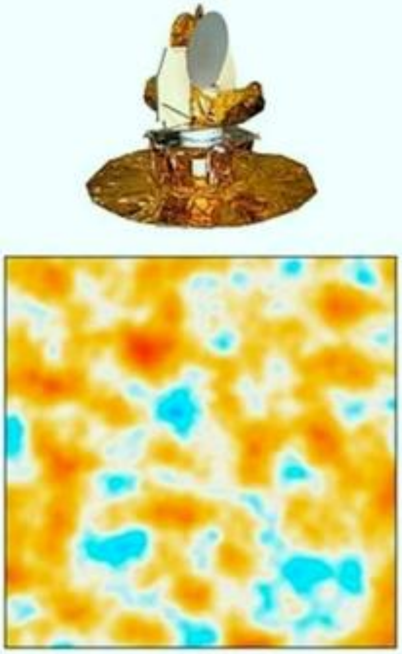
Those fourteen crucially located data points are on hand, but were never plotted. These latest and by far the most reliable data points disprove the entire construct. There is absolutely no scientific justification for Big Bang and Inflation theories. Their continuation is a taxpayer fraud.

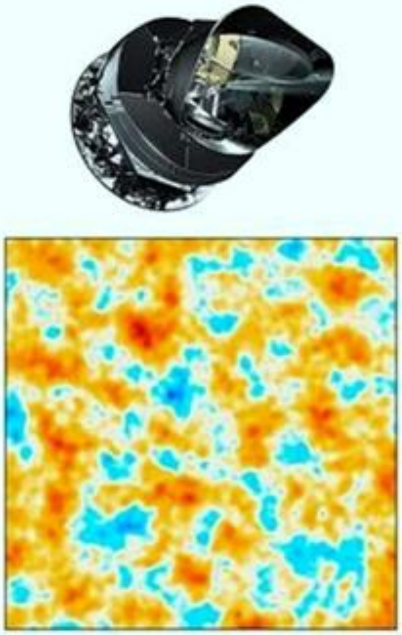
A world education message from Bibhas de 05/18/2017

THE AGE OF PRECISION MEASUREMENT IN
BIG BANG COSMOLOGY
SUCCESSIVE IMPROVEMENT IN ACCURACY

(a) Satellite skymap

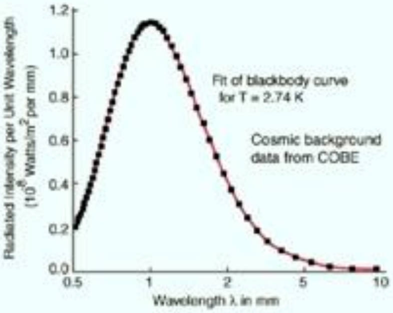






COBE WMAP Planck

(b) Relic radiation blackbody spectrum



COBE WMAP Planck

There are lies, there are damned lies, and then there is Big Bang Cosmology!

A public education message from www.bibhasde.com 05/01/2013

PHYSICS MEGAFRAUD MEGATREND

An occasional public-education series from Bibhas De

NASA JOHN - THE DECISION TO COVER HIS BUTT

What would Leadership Theory say?

John Mather's COBE Satellite fraud (1990s) received the Nobel Prize in 2006, and stood exposed by me in 2007. That's when NASA came to know about the fraud. Since then it has been a continuous tale of organized cover up: By NASA, the academic establishment, numerous accolade givers, the US Congress, the Vatican, and the White House (where investigation of Mather was led by fellow Nobel Laureate Carl Wieman.) Fourteen years on, Mather continues to be promoted as a science great. A UCSD nutty professor just elevated him a notch by worshiping him, with joined palms: *O you slender and fit Buddha…, O Buddha of Great Gravitas, … O Noble One so impervious to all attacks…*

Because the fraud was never dealt with, others have boldly built on this. One example is James Peebles of Princeton. He continued to intensively develop the false *CMB ≡ Big-Bang birth pang* narrative. His 2019 Nobel Prize will live on in infamy. Nobelist David Gross has promoted Mather at the Lindau Nobel Meetings, thus corrupting world's select young talent. Each summer NASA and the American Institute of Physics are helping cattle-brand young victims with Mather's name. The thrust: *John Mather – may his name increase*.

The many collective decisions implemented by many trusted parties to shield one bad actor at such a cost to humanity can be studied with benefit as a leadership-theory/decision-theory issue in MBA and government studies. 01/13/2022

FOUR NASA ADMINISTRATORS SINCE
JOHN MATHER RECEIVED THE NOBEL PRIZE

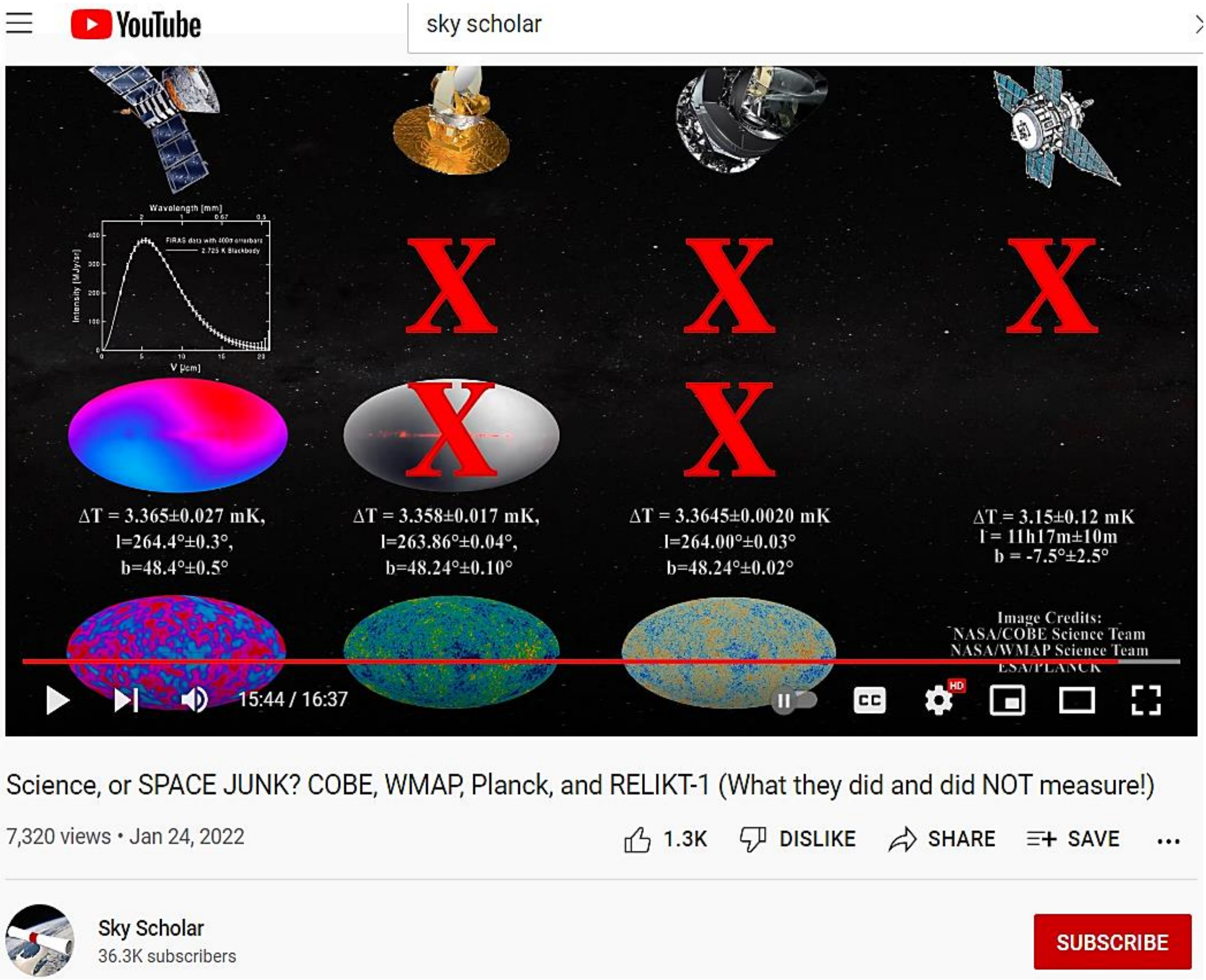
MICHAEL GRIFFIN CHARLES BOLDEN JAMES BRIDENSTINE BILL NELSON

NASA JOHN PRESENT SITUATION

(Public perception vs inside reality)

NASA Senior Astrophysicist John Mather received his Nobel Prize in 2006. Griffin elevated him to NASA HQ Chief Scientist. I informed Griffin that Mather's discovery was a fraud. About a year later, there was a big dustup at the HQ and Mather was back to pavilion, being a Senior Astrophysicist at Goddard. That is where he is today. Since Mather is NASA's crown jewel – a revolving replica of his Nobel medal adorns NASA HQ Lobby – one expects there would be photos of him with the Administrators. Indeed, there are photos of him with Bolden at a JWST press conference. Other than this, I have not today found a single photo of Mather with anyone of the above. Some years ago Goddard used to arrange for him to be photographed with important/powerful people. That image-repairing seems to have stopped after Bolden. It seems Mather's summerly routine of power photo-ops with Rep. Bill Foster and Mather Policy Interns at the Capitol has come to an end. Interestingly, Mather has reduced his campaign contribution to Foster from ~ several hundred to a thousand dollars at a time in the heady days, to $50 or $100 today. Thank God for a little humor in this dark matter! Bibhas De 01/01/2022

In the following concise video, Professor Pierre-Marie Robitaille provides a comprehensive survey of Big Bang verifications - from Penzias-Wilson through COBE, WMAP and on to Planck satellite – showing the serialized and collusive discovery narrative at was laid upon the world. The two parties who did not participate in this transatlantic collusion - the Russians (Relikt-1) and the Armenians (Paris Herouni) – *did not* report a blackbody. The Frank Wilczeks, David Grosses, Lawrence Krausses and Brian Greenes helped promote and protect this deep deception, and are doing so to this day.



Science, or SPACE JUNK? COBE, WMAP, Planck, and RELIKT-1 (What they did and did NOT measure!)

7,320 views • Jan 24, 2022

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As an aside to the discussion of Big Bang, note that this entire field of endeavor originally stemmed from the observed *cosmological* redshift. It was said that the only way this effect could arise was for an expansion of space to have taken place. I had some thought on this subject which is presented in the following graphic.

BIBHAS DE ON *COSMOLOGICAL REDSHIFT:*

STRETCHING OF WAVELENGTH, YES; STRETCHING OF SPACE, NO.

PHYSICS FIRST: In the expanding universe of Big Bang Cosmology, flight-time stretching of the wavelength of continuum light is now an accepted physics effect. If you accept this effect (but open a discussion on the cause of it), then why not accept an un-bypassable physics cause of this physics effect (a cause that should have been taken up a hundred years ago, and would have stopped Big Bang cold in its tracks)?

INTRODUCTION: Let us discuss the optical region of the spectrum, and for clarity, let us discuss light of a "single" frequency ν. If a star has a spectral luminosity L_ν, then the intensity of this light at a distance R from the star, I_ν, and the energy density u_ν are (c = velocity of light):

$$I_\nu = L_\nu / 4\pi R^2 \qquad (1)$$

$$u_\nu = I_\nu / c, \qquad (2)$$

The photon in my view has a physical size. It is a structure made of magnetic field in empty space, and this structure at a given frequency is defined by an inverse length parameter α. I will now say that the length is typically the wavelength λ ($\sim 1/\alpha \sim c/\nu$). So the photon occupies a volume of the order $V_{ph} \sim \lambda^3$.

***CONTINUUM LIGHT–DISCRETE PHOTON* LINKAGE:** How do photons constitute light (the way molecules constitute air)? There has to be some type of a linkage in the sense of classical physics, but I have no specific ideas in this regard thus far. For now just accept this self-evident proposition: The light-photon linkage must hold for light to remain light. When the distance R equals R_ν, a distance so large that

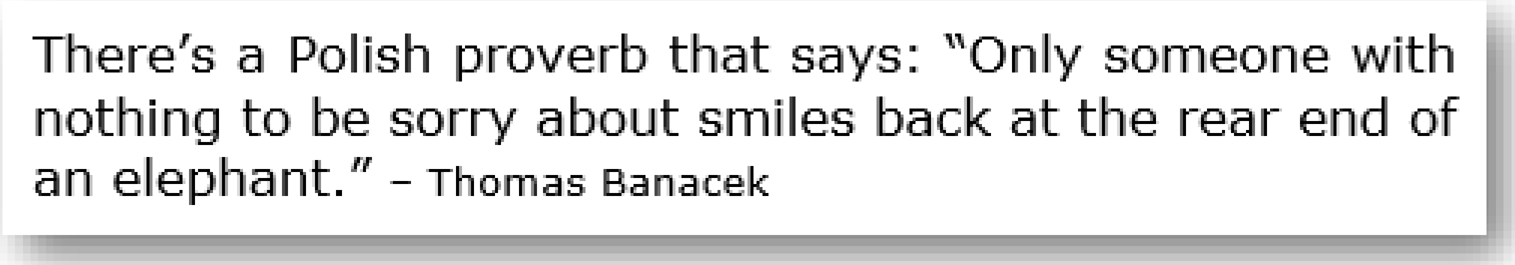
$$\boxed{u_\nu \, \Delta\nu \, V_{ph} \sim h\,\nu}, \quad \textbf{(EQUATION OF LIGHT-PHOTON LINKAGE FAILURE)} \qquad (3)$$

i.e. the stellar energy available in the volume occupied by the photon is the same as the photon energy $h\nu$, a critical juncture is reached (h = Planck constant). Here we have introduced the photon bandwidth $\Delta\nu$ as a necessary concept. At greater distances than R_ν there is not enough energy available for photons to exist as continuum light. *The light-photon linkage fails when the inverse-square dilution progresses beyond a critical limit.*

CONCLUSION: Driven by the light-photon linkage mechanism the light spontaneously moves to lower frequencies (the wavelength continually stretches) and continually maintains the condition (3). So past R_ν, light from a star begins to redden. An observer of continuum light at a distance > R_ν will see this redshift. There is no expanding universe, and no need to invoke that *ad hoc* Big Bang cause of redshift.

A world education message from www.bibhasde.com 05/13/2014

BEAUTY OF BICEP2: WILCZEK SMILES BACK



There's a Polish proverb that says: "Only someone with nothing to be sorry about smiles back at the rear end of an elephant." – Thomas Banacek

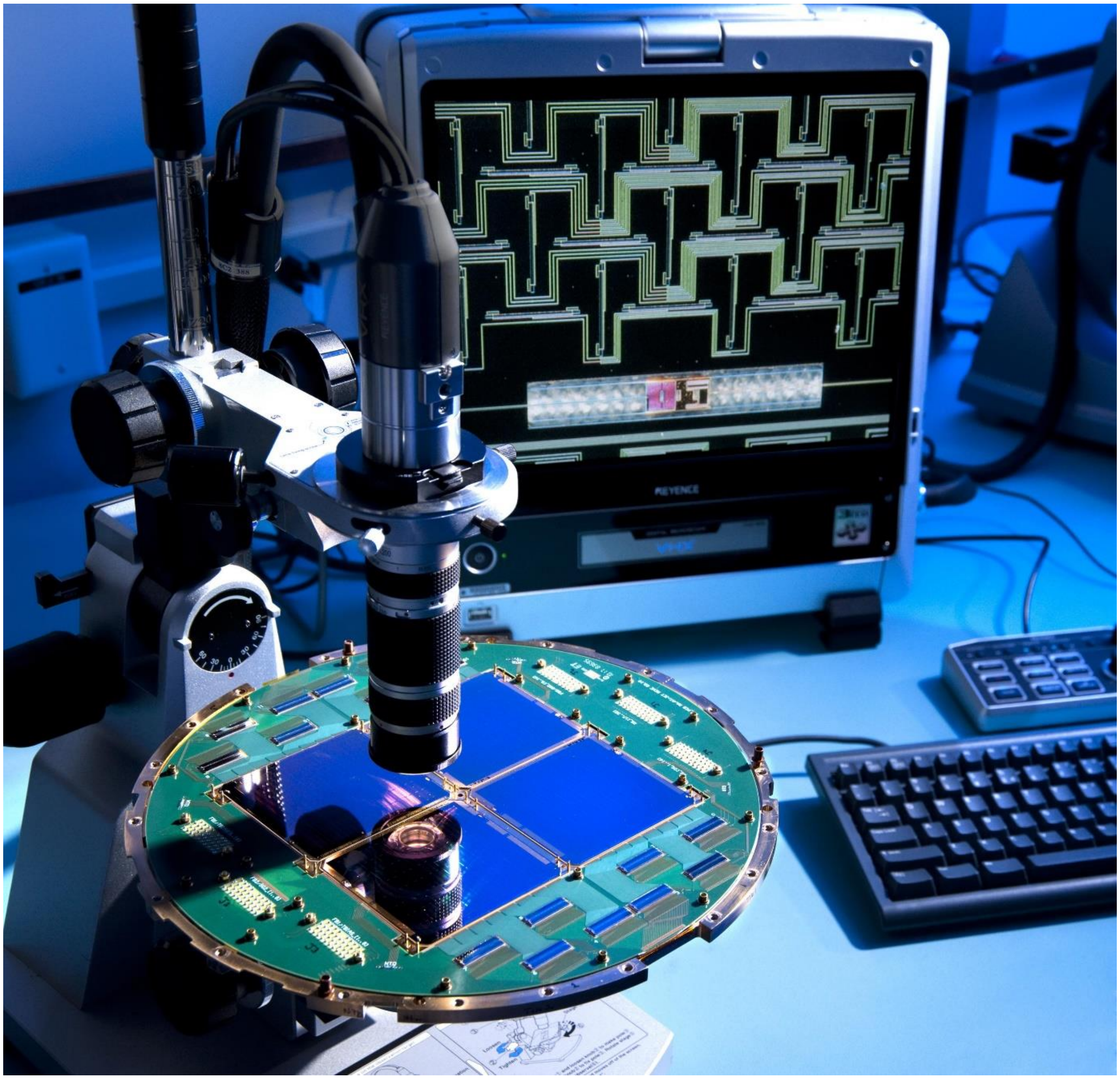
There is such a thing called physics gut. When a physicist with this gut looks at a new idea or a discovery, his gut reacts before logic and reason engage. If you see a discovery of a woven quilt spread out on the sky that looks more like the work of man rather than of nature, would you be troubled? Or would you smile back at it and start composing quotable quotes to laud the discovery in *WSJ*?

A newly discovered pattern on the sky, whether optically visible or only "machine-readable", could well be of natural origin. Nature births all sorts of intricate patterns and nuanced shapes. There is no problem there. But a tightly-woven pattern on the sky that was revealed in CMB radiation with a coffee-can sized telescope?! Is this a stumbling block or not?

The only question for me was: What is the source of this artifactual pattern? I did not have to look far.

BICEP2 mosaic; peacock feather pattern; Wassily Kandinsky art.

Photos of the BICEP2 telescope inner workings had been splashed all over the place, and there it was: A regular gridwork in the focal plane of the telescope! I thought this was pretty much a non-brainer. You did not even have to be an experimentalist to make the connection. Certainly, for a guy like Wilczek who wants to work into our everyday physics the elements of truth, beauty and transcendence, you would expect this little sentience.



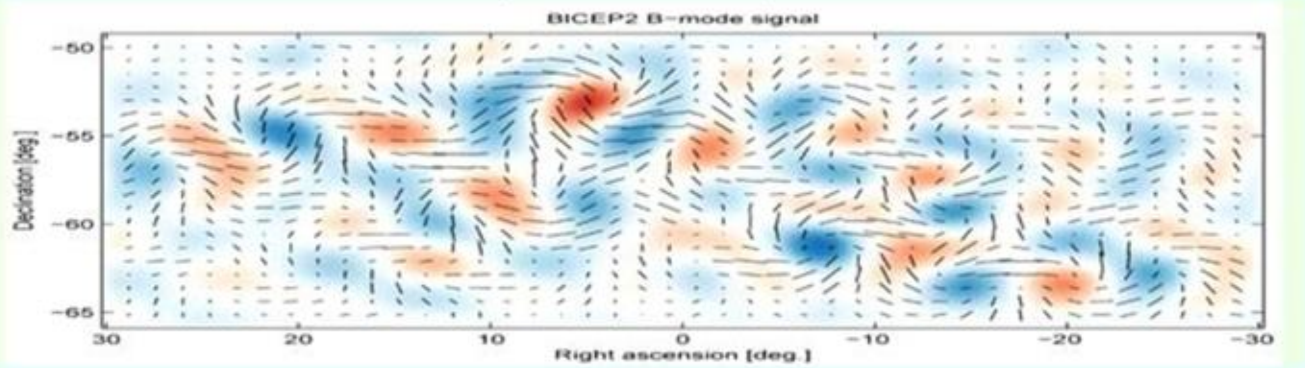
BICEP2 telescope focal plane gridwork

A WAY TO EXPLAIN BICEP2 DISCOVERY TO KIDS:

Grids in the telescope got distortedly projected onto the sky – through a geometrically complex but physics-wise simple way.

THOSE GRIDS IN THE SKY!

(BICEP2 SKYMAP GRIDS)



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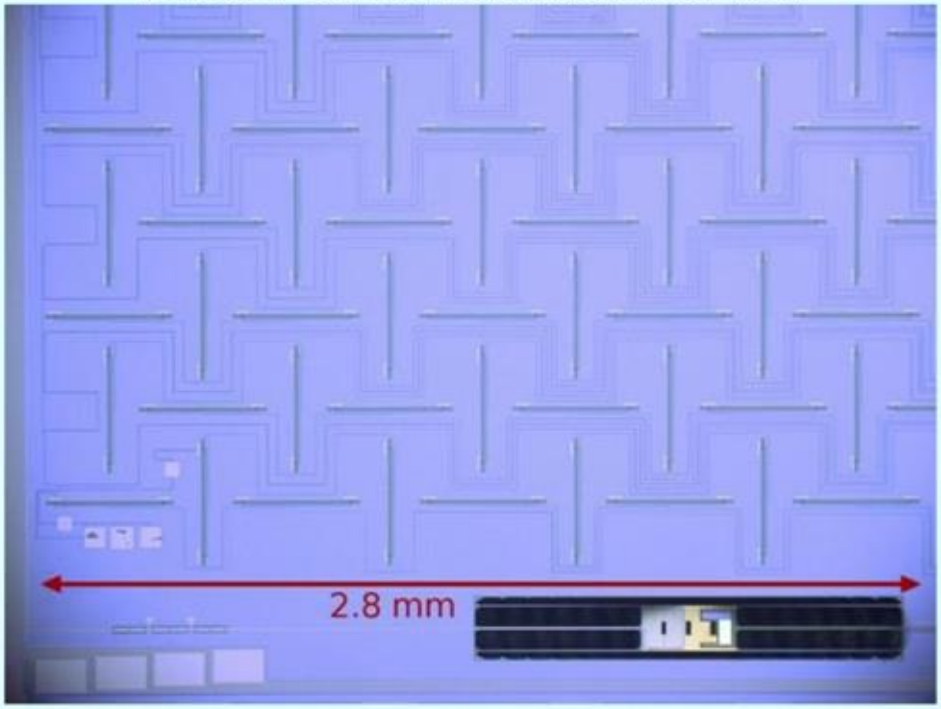
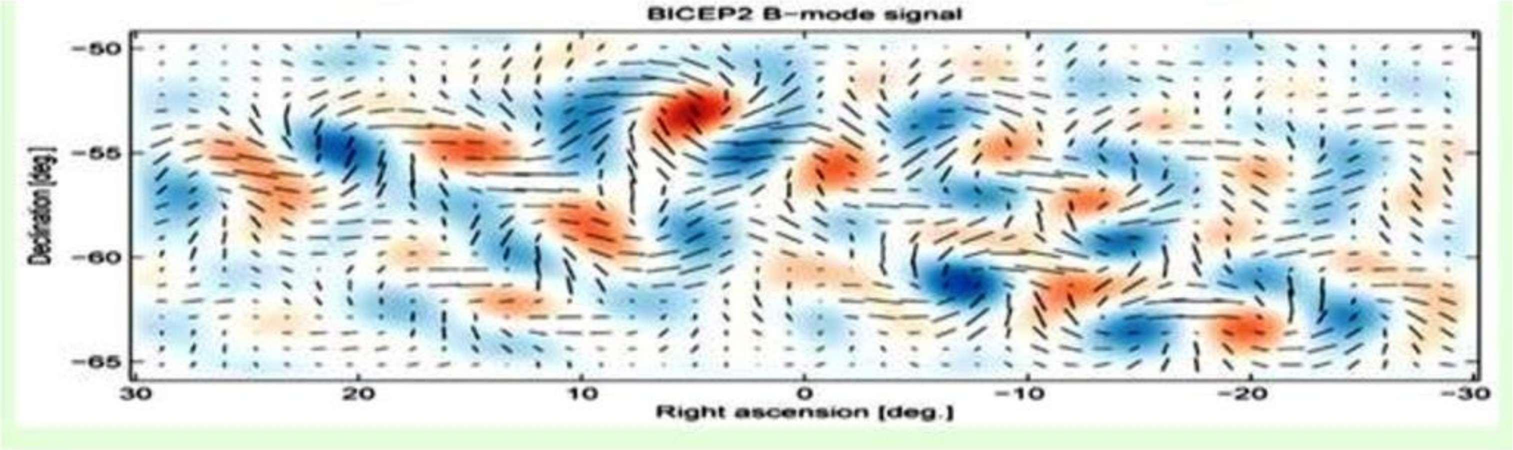
THEM GRIDS IN TELESCOPE!

(PORTION OF BICEP2 TELESCOPE IMAGING PLANE GRIDS)



THEREFORE NO OTHER INSTRUMENT CAN REPRODUCE THE BICEP2 GRIDS IN THE SKY

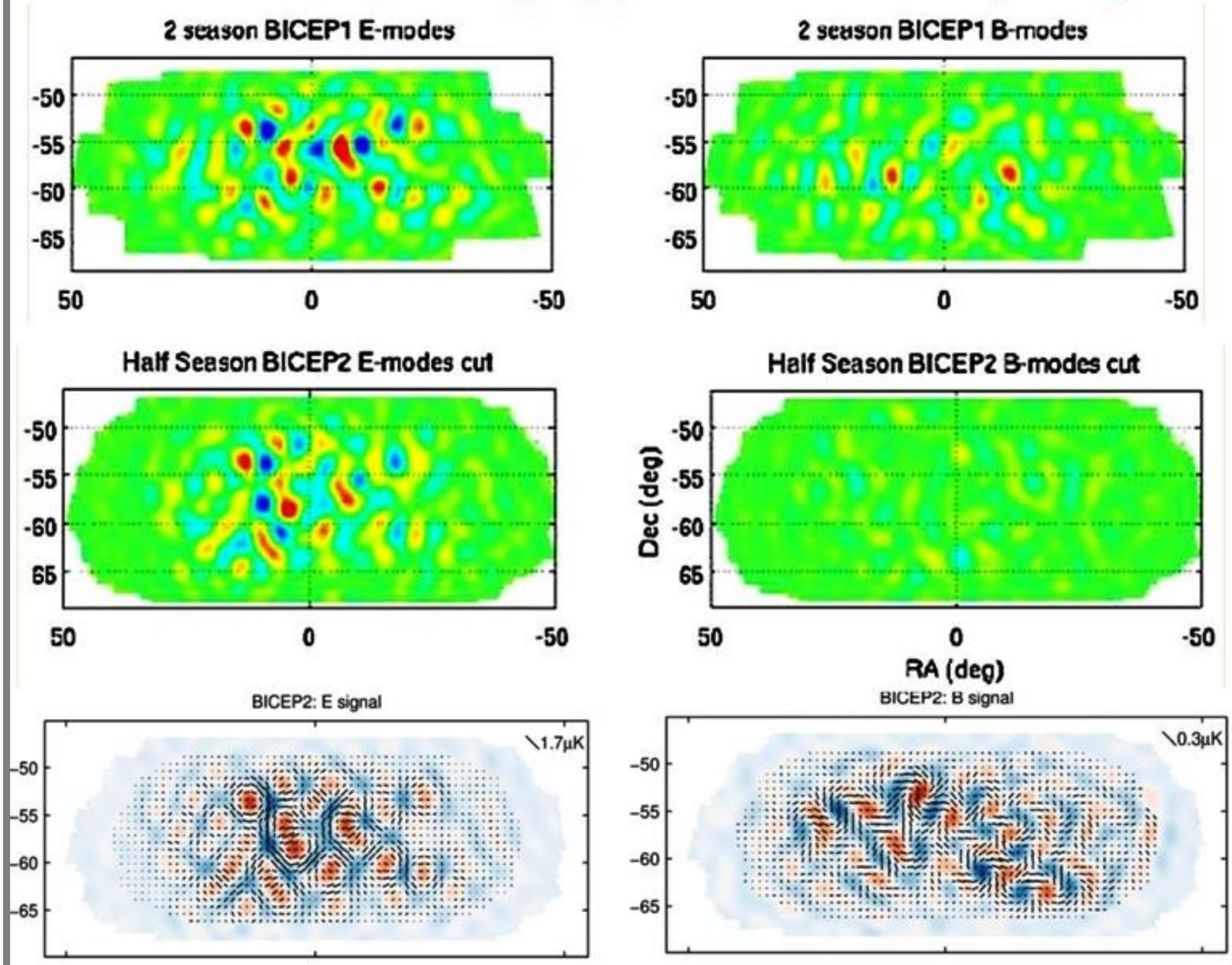
A world education message from www.bibhasde.com 05/02/2014



BICEP2 B-MODE SKY SWIRLS PLOTTED ON THE SAME RIGHT ASCENSION AND DECLINATION SCALE. NOTICE THAT THE POLARIZATION SWIRLS HAVE A PRONOUNCED DIRECTIONALITY: THEY HAVE AN ELLIPTICAL TENDENCY WITH THE LONG AXIS ALONG A CONSTANT DECLINATION LINE. THE B-MODE POLARIZATION FAVORS THE ORIENTATION OF OUR LITTLE PLANET!

COMPARISON BETWEEN BICEP1 AND BICEP2

How the bicep2 imaging plane modifies sky image



WHAT THE MAPS ARE POSITED TO BE BY THE BICEP2 TEAM:

TOP PANEL: Sky as fully imaged by bicep1.
MIDDLE PANEL: Sky as imaged by bicep2 for half season.
BOTTOM PANEL: Sky as fully imaged by bicep2.

WHAT THE MAPS ACTUALLY ARE:

TOP PANEL: Sky as fully imaged by bicep1.
MIDDLE PANEL: Sky as modified by bicep2 imaging plane for half season
BOTTOM PANEL: Sky as fully modified by bicep2 imaging plane.

A world education message from www.bibhasde.com 05/31/14

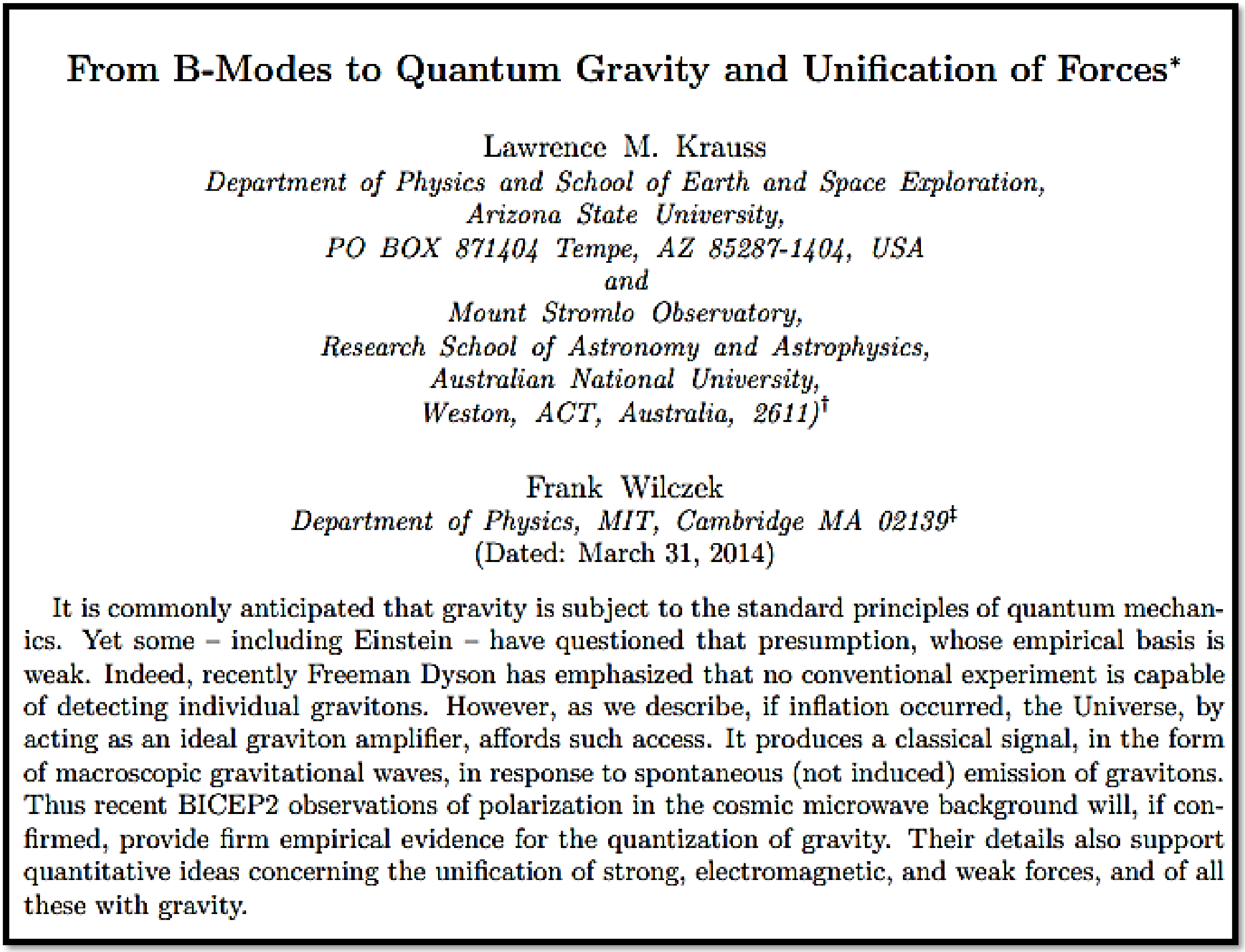
But no! No sooner was the BICEP2 discovery rolled out than Wilczek piped up: “If confirmed it would be one of the absolute greatest discoveries in cosmology.”

Just a knee-jerk, butt-covering “If confirmed”. No disbelief, no doubt, no queasy gut. Then he added his own scientific contribution to the cause, pushing gravitons on the back of BICEP2 before it was confirmed. He even saw in BICEP2 patterns hints of the Holy Grail, “unification”. He really went to town there with his good buddy Lawrence Krauss. They even garnered some big prize for the paper they wrote.

As the public knows, BICEP2 cratered. But the reason given to the public for the cratering was a well-planned cover up, and Wilczek bought into the cover up. BICEP2 was pure instrumentation quackery, and Wilczek did nothing to disabuse the world of what he had preached so eloquently. He just clammed up.

He will push graviton again, on the back of another scam discovery. He will garner a prize again. And he will display serious mistakes of comprehension again.

The reader may wonder why I have dwelt on BICEP2 so much, since the discovery was retracted. As I explained, the “retraction” was a cover up. No one was ever held accountable for anything. So, it is my view that we should not put BICEP2 behind us. If we constantly keep this in front of us, it will be a little more difficult to cover up the next scam and the next come …



From B-Modes to Quantum Gravity and Unification of Forces*

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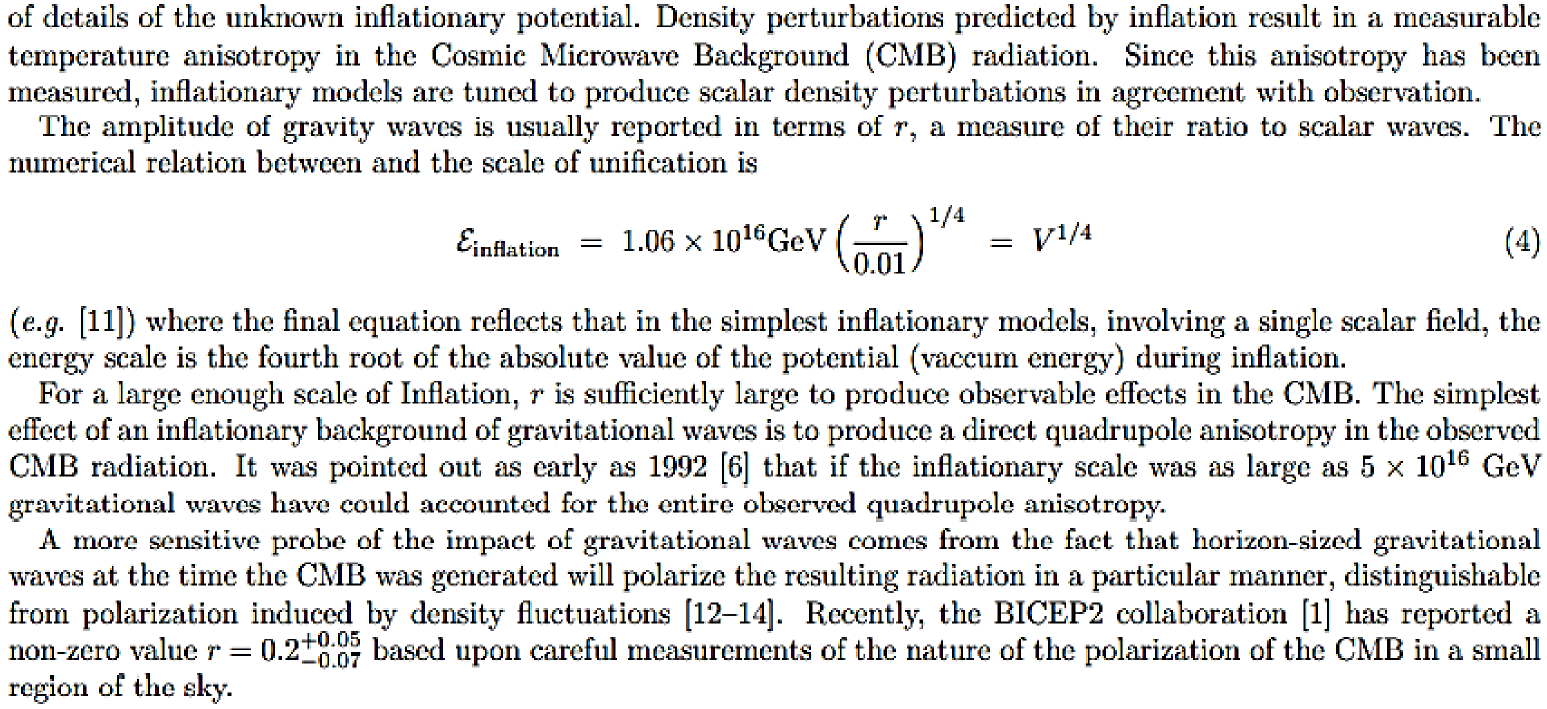
(Dated: March 31, 2014)

It is commonly anticipated that gravity is subject to the standard principles of quantum mechanics. Yet some – including Einstein – have questioned that presumption, whose empirical basis is weak. Indeed, recently Freeman Dyson has emphasized that no conventional experiment is capable of detecting individual gravitons. However, as we describe, if inflation occurred, the Universe, by acting as an ideal graviton amplifier, affords such access. It produces a classical signal, in the form of macroscopic gravitational waves, in response to spontaneous (not induced) emission of gravitons. Thus recent BICEP2 observations of polarization in the cosmic microwave background will, if confirmed, provide firm empirical evidence for the quantization of gravity. Their details also support quantitative ideas concerning the unification of strong, electromagnetic, and weak forces, and of all these with gravity.

I will now show how many blatant scientific falsehoods serve as the hard basis for this thesis. Refer to a portion of the text from this paper.

"… density perturbations predicted by inflation result in measurable temperature anisotropy in the Cosmic Microwave Background (CMB) radiation. Since this anisotropy has been measured, inflationary models are tuned to produce scalar density perturbations in agreement with observation."

Analysis of all CMB measurements had shown beyond any question that the so-called observed CMB had not been scientifically established to have any connection to Big Bang or “the inflation era”. Nor had it been established what the total radiation field strength is (upon which the anisotropy is a perturbation). Nor had it been established that this total radiation field had a temperature (i.e. a blackbody form). So, the above statements are just plain untruths.



of details of the unknown inflationary potential. Density perturbations predicted by inflation result in a measurable temperature anisotropy in the Cosmic Microwave Background (CMB) radiation. Since this anisotropy has been measured, inflationary models are tuned to produce scalar density perturbations in agreement with observation.

The amplitude of gravity waves is usually reported in terms of r, a measure of their ratio to scalar waves. The numerical relation between and the scale of unification is

$$\mathcal{E}_{\text{inflation}} = 1.06 \times 10^{16}\text{GeV}\left(\frac{r}{0.01}\right)^{1/4} = V^{1/4} \qquad (4)$$

(*e.g.* [11]) where the final equation reflects that in the simplest inflationary models, involving a single scalar field, the energy scale is the fourth root of the absolute value of the potential (vaccum energy) during inflation.

For a large enough scale of Inflation, r is sufficiently large to produce observable effects in the CMB. The simplest effect of an inflationary background of gravitational waves is to produce a direct quadrupole anisotropy in the observed CMB radiation. It was pointed out as early as 1992 [6] that if the inflationary scale was as large as 5×10^{16} GeV gravitational waves have could accounted for the entire observed quadrupole anisotropy.

A more sensitive probe of the impact of gravitational waves comes from the fact that horizon-sized gravitational waves at the time the CMB was generated will polarize the resulting radiation in a particular manner, distinguishable from polarization induced by density fluctuations [12–14]. Recently, the BICEP2 collaboration [1] has reported a non-zero value $r = 0.2^{+0.05}_{-0.07}$ based upon careful measurements of the nature of the polarization of the CMB in a small region of the sky.

“For a large enough scale of Inflation, r is sufficiently large to produce a direct quadrupole anisotropy in the observed CMB radiation…”

This statement is a total non sequitur since no connection had ever been established between this r and the observed CMB radiation.

“Recently, the BICEP2 collaboration has reported a non-zero value r = 0.2 +0.05/-0.07 based upon careful measurements of the nature of the polarization of the CMB in a small region of the sky.”

What BICEP2 showed in the small region of the sky is a projection of its own focal plane gridwork on to the sky. It had nothing to do with any *r* or any background signal or any foreground dust. It was just a telescope doing shadow boxing.

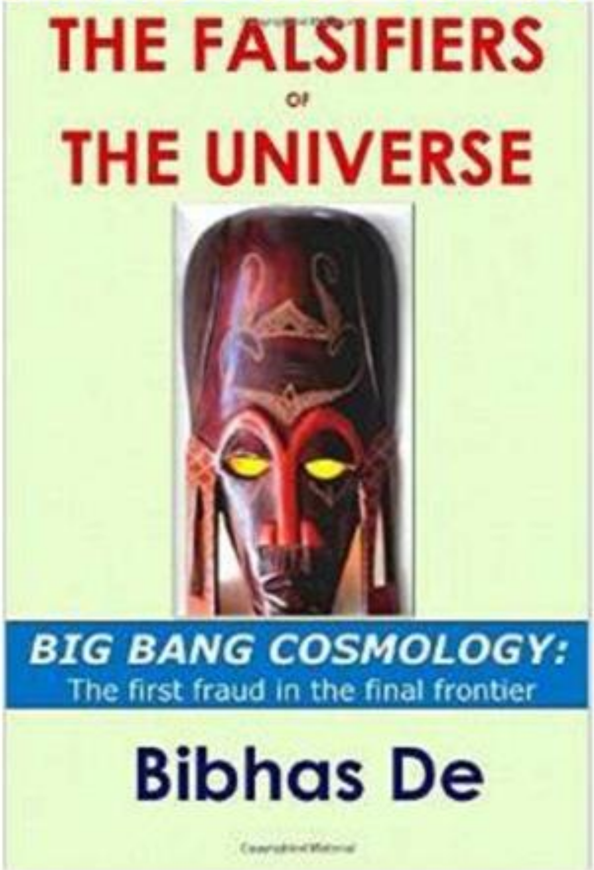
PHYSICS: THE LINDE-GUTH NOTHINGBURGER

(BICEP2 patty)

Andrei Linde **of Stanford University and** ***Alan Guth*** **of MIT are two of physics's brightest stars, famous for their cosmological inflation theory (theory of the early stages of Big Bang). The theory utilizes analysis of the spatial (or angular) distribution of the intensity of the cosmic microwave background radiation (CMB). At the core of this theory is the assumption that this CMB is the relic radiation left over from the Big Bang explosion. This identity is considered proved by multiple observations showing CMB has the ~ 2.7 K blackbody radiation spectrum, the predicted signature of the relic radiation.**

Every single one of the above "multiple observations" has been placed in expert scientific and engineering evidence in the public arena as scammed or fraudulent: CMB and Big Bang relic radiation are totally unconnected. Hiding behind their academic privilege, Linde and Guth have ignored this finding and forged ahead, with more taxpayer money. A recent attempt to further strengthen the Linde-Guth ideas by their colleagues (the BICEP2 team) was also shown to be a laughable quackery. The lifework of Linde and Guth amounts to naught. Truth be told, science would have breathed better if Linde and Guth had chosen another line of work.

A world education message from Bibhas De 05/15/2017



THE FALSIFIERS

OF

THE UNIVERSE

BIG BANG COSMOLOGY:

The first fraud in the final frontier

Bibhas De

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UNDER THE AEGIS OF THE GODDESS OF TRUTH
THE AUTHOR INVESTIGATES
BIG BANG COSMOLOGISTS

Excerpts from the book:

Slowly abject scientific quackery had morphed into diabolic deceit. Increasingly strident rhetoric about advanced space-age technology and fantastic measurement accuracy was made to swirl around the deceitful discovery. Every power group that could be mobilized to protect the enterprise was mobilized to protect it. Every accolade that could be bestowed to whitewash over it was bestowed to whitewash over it.
It was a very dark chapter of science.

There is a Bengali proverb about sleaziness:
Lewd dancing going on behind the veil of modesty.
Here we have an entire phantasmagoric orgy being played out on the world stage – among the noblest of noble intellectuals. Taxpayers are footing the bill.

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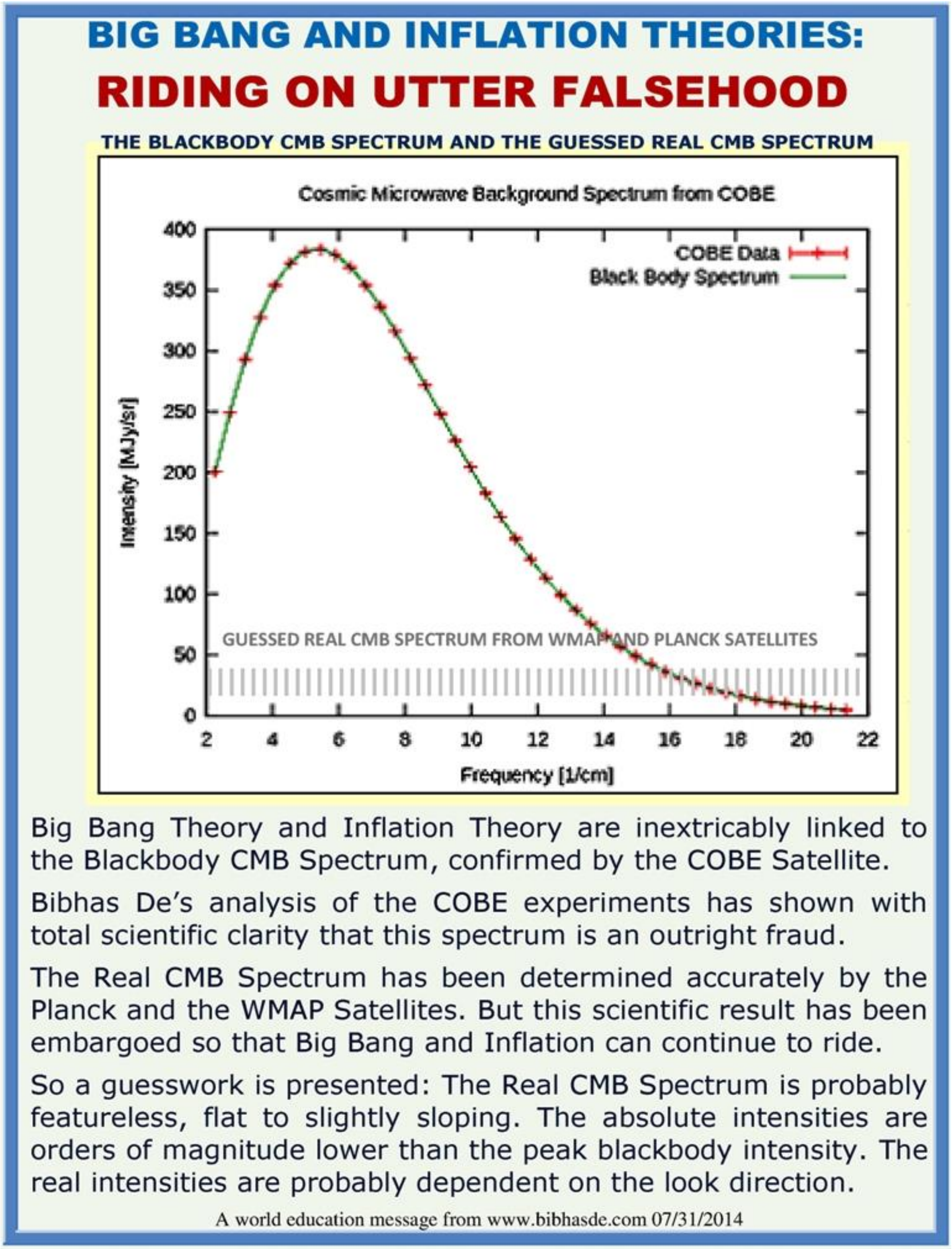
TEAM BICEP2

The BICEP2 team ushered in a new era of telescope science. They kept presenting assorted polarization maps and averring that the images are "on the sky", "on the sky" … (meaning they are true sky features, and not instrumental artifacts.) When erroneous physics and engineering are plainly evident in the instrument on ground, how one could point to sky images to assert that everything is fine is something I never learned during my stint in radio astronomy or satellite communication.

As I have said years ago, the observed CMB is a very weak microwave radiation filling all sky – orders of magnitude weaker than the Big Bang blackbody. It has no determined spectrum, and has not been demonstrated to have connection to any cosmological models.



BIG BANG AND INFLATION THEORIES:

RIDING ON UTTER FALSEHOOD

THE BLACKBODY CMB SPECTRUM AND THE GUESSED REAL CMB SPECTRUM

Big Bang Theory and Inflation Theory are inextricably linked to the Blackbody CMB Spectrum, confirmed by the COBE Satellite.

Bibhas De's analysis of the COBE experiments has shown with total scientific clarity that this spectrum is an outright fraud.

The Real CMB Spectrum has been determined accurately by the Planck and the WMAP Satellites. But this scientific result has been embargoed so that Big Bang and Inflation can continue to ride.

So a guesswork is presented: The Real CMB Spectrum is probably featureless, flat to slightly sloping. The absolute intensities are orders of magnitude lower than the peak blackbody intensity. The real intensities are probably dependent on the look direction.

A world education message from www.bibhasde.com 07/31/2014

LIGO: WILCZEK HEARS A WHO

> There’s a Polish proverb that says: “Only the centipede can hear all the one hundred steps of his uncle.”
>
> -Thomas Banacek

Frank Wilczek had been following the LIGO experiment closely as it was coming to fruition. So he had ample time and opportunity to delve into the LIGO science, unlike the dissidents who came into the scene after the discovery. In fact, LIGO was being run from his own shop (MIT). He would/could have attended many talks, symposia etc. In a Wall Street Journal article (January 2017) shortly before the first LIGO discovery was announced, he wrote presciently:

In the year to come, plausibly, but almost certainly within the next few years, physicists will detect tremors in space-time—or, to use the scientific term, gravitational waves. Through gravitational waves we will be able, for the first time, to monitor some of the most violent, dramatic events the universe has to offer.

My prediction is inspired by an extraordinary instrument, the Laser Interferometer Gravitational-Wave Observatory, or LIGO, which is operated by Caltech and MIT. LIGO is designed to detect extremely tiny changes *in the distances between a few pairs of mirrors. The numbers are mind-boggling. The mirrors are four kilometers apart, and the distances between them are expected to change by less than one thousandth of the diameter of a proton. All kinds of things can jiggle mirrors, but gravitational waves produce a unique pattern of changes, so their signal can emerge from the noise.*

Now, Wilczek is one of the foremost quantum theorists living today. If you play fast and loose in his field, he should be the first to pounce on you. Yet, he is gleefully endorsing in LIGO what is on the surface a stark violation of the uncertainty principle! No questions. No ifs, ands or buts. Why is it left to those abominable dissidents to render that service to science which Wilczek was the most logical and authoritative person to render? I mean, was he not even the least bit curious over LIGO 'defeating' quantum theory?

But let's dig deeper. There is another point to note here. It is exactly the same point LIGO Chief Architect Rainer Weiss made ("Space is enormously stiff."):

Space-time Jell-O is far stiffer than steel, so it takes enormous forces to produce significant tremors. (Memo to wormhole and time--travel fans: Bending space--time is hard.) Even with LIGO, we can only hope to observe gravitational waves produced by extremely massive bodies in extremely rapid motion. These waves signal spectacular events, like the death throes of binary *systems involving white dwarfs, neutron stars or black holes.*

Let’s talk about this Jell-O deal. It may be that both Weiss and Wilczek are using loose language for public consumption. Stiffness in physics is not a property of a medium but of an object. See my first graphic below.

But a more important point is made in the second slide below: Both Weiss and Wilczek seem not to know that there is in fact an “object” at issue here. That is the entire crux of LIGO. If they had thought this out, they would not be speaking of space being stiff, even loosely.

The pervasive view that LIGO *detector* is a two-armed, planar deal is a deficiency in understanding the actual physics of this unprecedented situation.

That actual detector is a volume element of space itself – an “object” - that is defined by the two arms. The detector is three-dimensional, and not planar. When it gets squished in one direction, the entire volume changes shape, somewhat like squeezing a balloon with two hands. So, while we do have the analogy of an object, stiffness may not the relevant concept. Compressibility may be.

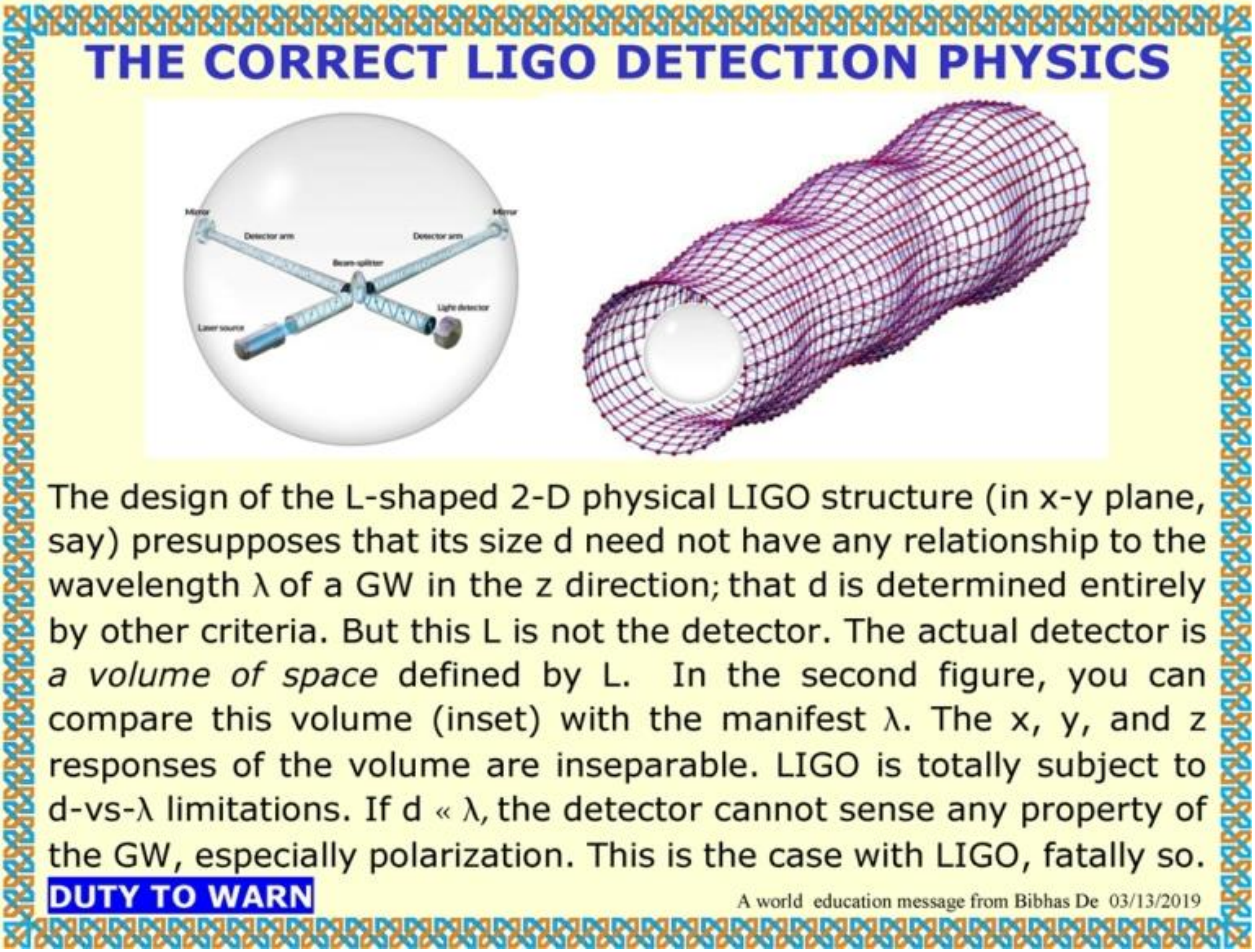
LIGO'S SPANDEX PHYSICS:

"Space is much stiffer than you imagine; it's stiffer than a gigantic piece of iron. That's why it's taken so damned long to detect gravitational waves: to deform space takes an enormous amount of energy, and there are only so many things that have enough." Rainer Weiss

Stiffness is a property of a thing (e.g. a steel rod). The corresponding intrinsic property of the medium would be an elastic modulus, Young's modulus Y (say). If ℓ = LIGO arm length (4 km), $\Delta\ell$ = change in ℓ due to gravitational wave force F_{gw} applied axially to the mirror, and D = diameter of the mirror (35 cm), then from the definition of Young's modulus:

$$\boxed{\Delta\ell = (4/\pi) \times (F_{gw}/Y) \times (\ell/D^2)}$$

LIGO wants to increase $\Delta\ell$. But increasing ℓ ten times is the same as decreasing the mirror diameter ~3 times. This diameter has a minimum value because the mirror must accommodate the laser beam (diameter 6 cm), with some margin. Now, which is more justified: 40-km LIGO with 35-cm mirror, or 4-km LIGO with 12-cm mirror? The 40-km deal is a multi-year taxpayer-bilking proposal being pursued when a simple scientific alternative may exist, *according to their own addled thinking*. Anyway, it is all irrelevant. NSF-LIGO is an out-of-control, rampaging behemoth as it exists today. Bibhas De 06/26/2019


Mirror
Detector arm
Mirror
Detector arm
Beam-splitter
Light detector
Laser source

THE CORRECT LIGO DETECTION PHYSICS

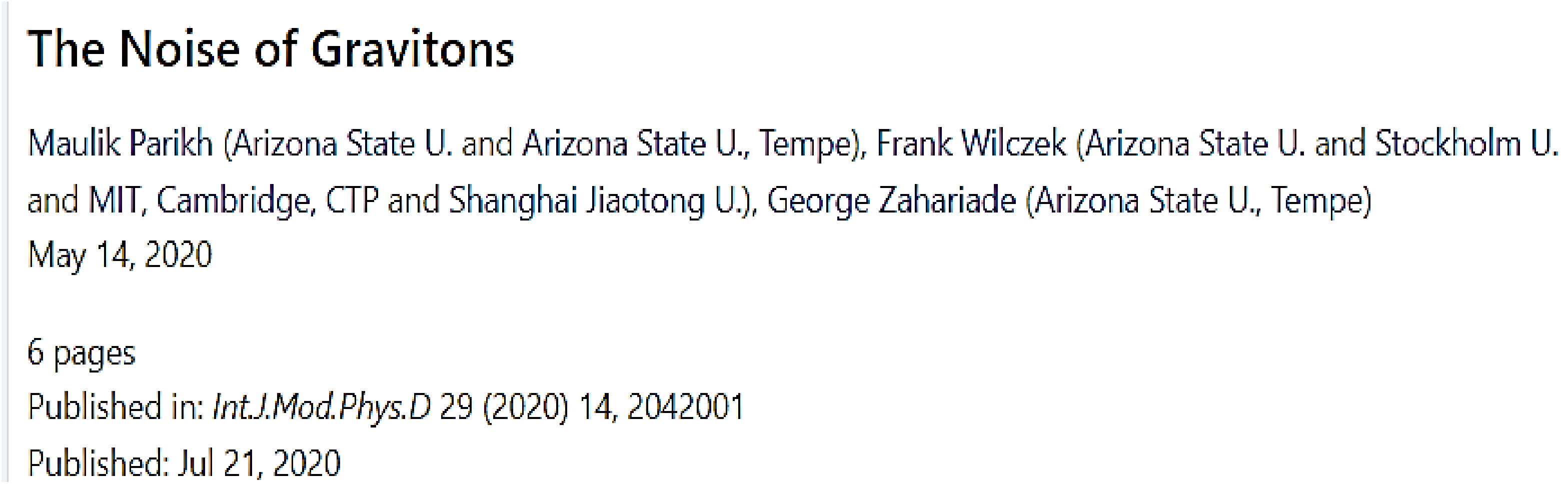
The design of the L-shaped 2-D physical LIGO structure (in x-y plane, say) presupposes that its size d need not have any relationship to the wavelength λ of a GW in the z direction; that d is determined entirely by other criteria. But this L is not the detector. The actual detector is *a volume of space* defined by L. In the second figure, you can compare this volume (inset) with the manifest λ. The x, y, and z responses of the volume are inseparable. LIGO is totally subject to d-vs-λ limitations. If d « λ, the detector cannot sense any property of the GW, especially polarization. This is the case with LIGO, fatally so.

DUTY TO WARN

A world education message from Bibhas De 03/13/2019

There is more about Wilczek's interest in gravitational waves. He and his colleagues have recently made big splash with their suggestion of a way to detect gravitons, the photon counterpart of gravitational waves. Remember they tried this once before with the bogus BICEP2?

First, the abstract gives a general idea:



The Noise of Gravitons

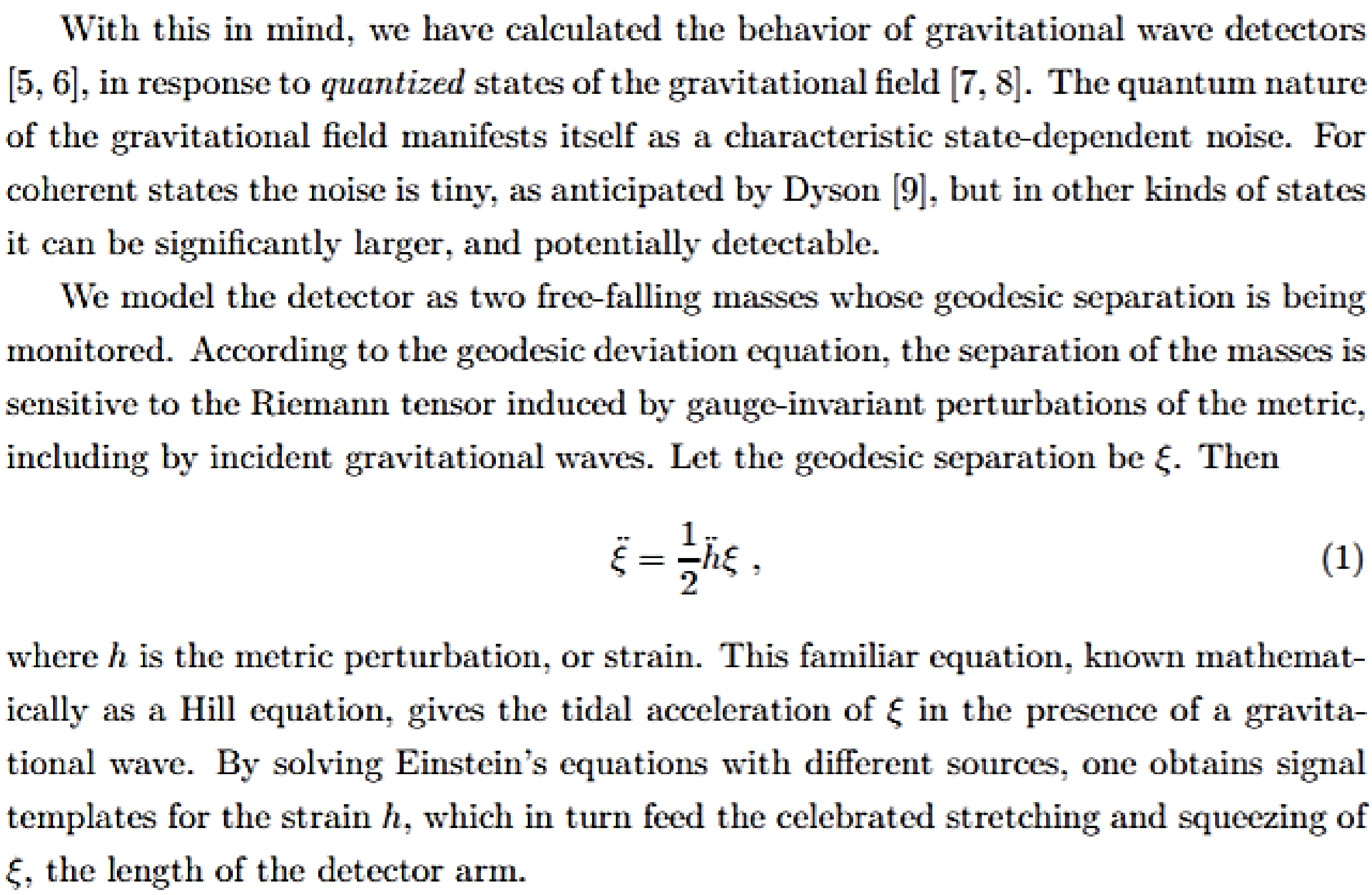
Maulik Parikh (Arizona State U. and Arizona State U., Tempe), Frank Wilczek (Arizona State U. and Stockholm U. and MIT, Cambridge, CTP and Shanghai Jiaotong U.), George Zahariade (Arizona State U., Tempe)

May 14, 2020

6 pages
Published in: *Int.J.Mod.Phys.D* 29 (2020) 14, 2042001
Published: Jul 21, 2020

Abstract: We show that when the gravitational field is treated quantum-mechanically, it induces fluctuations — noise — in the lengths of the arms of gravitational wave detectors. The characteristics of the noise depend on the quantum state of the gravitational field and can be calculated exactly in several interesting cases. For coherent states, the noise is very small, but it can be greatly enhanced in thermal and (especially) squeezed states. Detection of this fundamental noise would constitute direct evidence for the quantization of gravity and the existence of gravitons.

Second, read the portion relevant to our discussion:



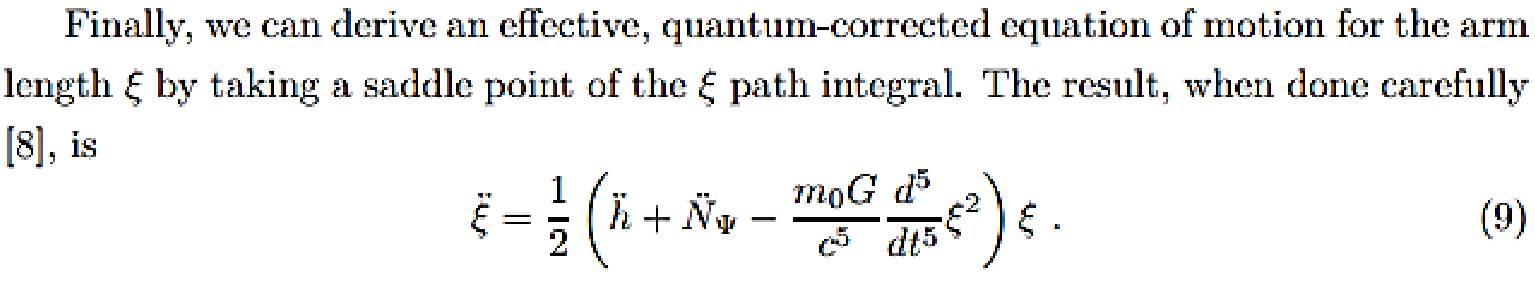
With this in mind, we have calculated the behavior of gravitational wave detectors [5, 6], in response to *quantized* states of the gravitational field [7, 8]. The quantum nature of the gravitational field manifests itself as a characteristic state-dependent noise. For coherent states the noise is tiny, as anticipated by Dyson [9], but in other kinds of states it can be significantly larger, and potentially detectable.

We model the detector as two free-falling masses whose geodesic separation is being monitored. According to the geodesic deviation equation, the separation of the masses is sensitive to the Riemann tensor induced by gauge-invariant perturbations of the metric, including by incident gravitational waves. Let the geodesic separation be ξ. Then

$$\ddot{\xi} = \frac{1}{2}\ddot{h}\xi \ , \tag{1}$$

where h is the metric perturbation, or strain. This familiar equation, known mathematically as a Hill equation, gives the tidal acceleration of ξ in the presence of a gravitational wave. By solving Einstein's equations with different sources, one obtains signal templates for the strain h, which in turn feed the celebrated stretching and squeezing of ξ, the length of the detector arm.

Third, here is the beautiful result they derive, showing the appearance of the noise term N.



Finally, we can derive an effective, quantum-corrected equation of motion for the arm length ξ by taking a saddle point of the ξ path integral. The result, when done carefully [8], is

$$\ddot{\xi} = \frac{1}{2}\left(\ddot{h} + \ddot{N}_{\Psi} - \frac{m_0 G}{c^5}\frac{d^5}{dt^5}\xi^2\right)\xi \ . \tag{9}$$

So now, we have the new detection scheme for gravitons: By monitoring the arm length ξ, you can, under some types of gravitational-wave situations, find a measurable N. Certainly a nice physics calculation.

But the claim that this is a detection scheme is emphatically wrong. The quantity ξ for a single arm cannot be measured in an active gravitational-wave field, period. This is not an issue of experiment or technology but one of basic physics. Wilczek ought to have known this at least. Instead, he engaged in great glorying on making a breakthrough contribution at the cutting edge of cosmology.

But suppose they say: Aha! We will use two arms – LIGO-style. Then we will measure *differential* changes in ξ between the two arms. If there is one thing everybody understood about LIGO the moment the discovery was rolled out is that the gravitation-wave signals are buried deep in all kinds of noise. They extract the signals out of the noise with extreme effort. What does Wilczek propose? Go looking for noise that is buried in that signal that has just been extracted out of noise? I mean, does noise come in nested layers, like Matrushka dolls?

There's another rather obvious point – the "size" of gravitons. The size of a wave quantum is comparable to a wavelength. So, arms that are much smaller than the wavelength (as with LIGO) will not effectively interact with a graviton (or the wave).

Suppose they now say: Aha! We will make the two arms a lot longer! But the Kip Thorne theory of LIGO is such that the arms have to be much smaller than the wavelength. Otherwise it doesn't work.

In sum, Wilczek's many forays into gravitational waves experiments to look for gravitons seem to be more calculation-wise impressive than scientifically helpful. They are about him showing us his moves. He has not contributed anything in terms of examining or elucidating BICEP2 or LIGO.

So, take my point I have just demonstrated: Delving the depths of logic and reason (≡ physics ideation) and exploring the spaces of imagination (≡ intellectual profundity) are not necessarily the same things, even if you do both with equations. You cannot do one task with the other method anymore than you can use your deep religiosity to float across the Charles River. Faith and buoyancy cannot be synergized.

Bodhidharma floating on the Yangtze on a length of creeper

On the left side of this picture you see the newly minted 2017 Nobel laureates seated in a row. Rainer Weiss is standing and so is Barry Barish. Kip Thorne is still seated. In the next row back are specially invited guests. You can see Frank Wilczek, David Gross and Steven Chu, Nobelists all. For what connection were they invited to the LIGO Nobel Prize award ceremony? They did not have any connection to the LIGO Collaboration. My take is that the three were involved in the secret award-making process. Gross and Wilczek publicly expressed strong support for LIGO. Chu might have been an apt experimentalist to evaluate and endorse LIGO.

And if indeed Gross and Wilczek were helping LIGO get the Nobel Prize, on what basis were they doing so? When it came to LIGO, they are in evidence as not having grasped the basics of LIGO science. Wouldn't you have thought that it is the experts who decide the Nobel Prize?

2017 PHYSICS NOBEL PRIZE

Should you laugh or cry?

The prize was given for detection of gravitational wave with the LIGO instrument. Up until now, four detections have been reported. The following scientific "points and authorities" were in full view of public when the ludicrous decision to award the Prize was made.

(a). The observations were those of an entirely expected terrestrial phenomenon known as Schumann resonant transients – a type of ubiquitous global geomagnetic disturbance spreading from lightning strike somewhere. This explains very simply the near-simultaneity of the observations at two or three distant stations, and the jagged signal profiles. The LIGO design is (unintendedly) capable of receiving and reporting these electromagnetic signals.

(b). The impressively detailed matching of the observed signal profile to that modeled for binary black hole merger must be dismissed out of hand because the observed signals were improperly extracted, because the model has enormous tweaking capacity, and because there is no way to back out the LIGO incident waveform from the observed output waveform.

(c). There is exactly zero evidence that the two independently hung LIGO mirrors have been set in entangled motion, and that the motion amplitude is ~1/10,000-th of the proton diameter, as required for gravitational wave incidence. This is purely a cock-and-bull story. Take away this false story, and there is no discovery.

(d). There is no calibration curve for LIGO displacement. All quantitative reports (x solar mass, y light years etc.) are garbage.

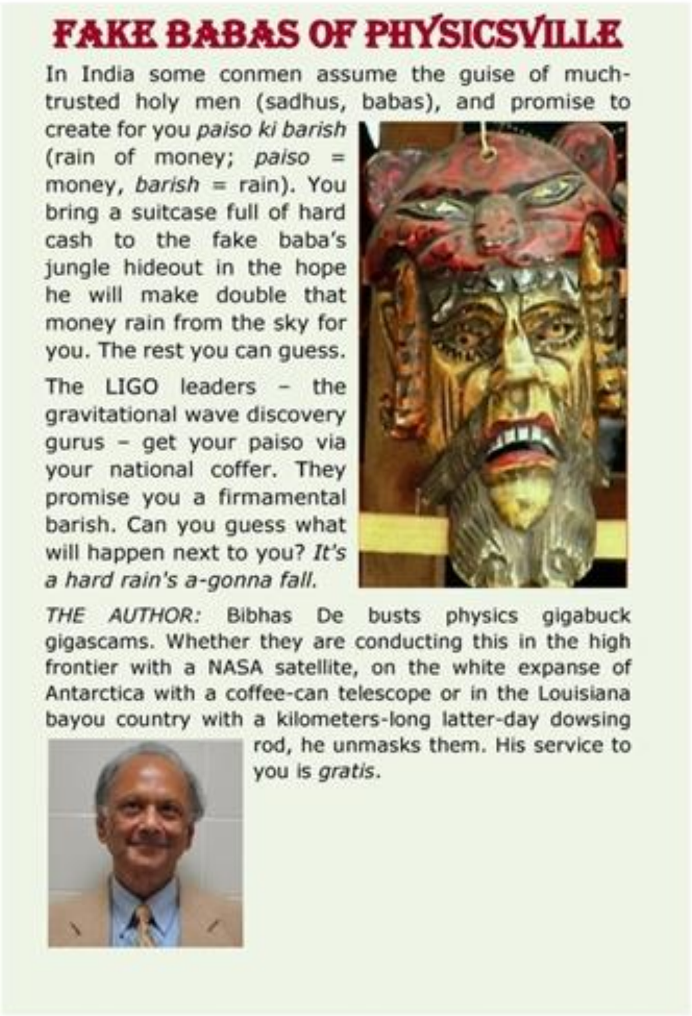
(e). LIGO's vaunted vibration isolation system – essential to the discovery - is in experimental evidence as not working as stated.

(f). LIGO functioning is crucially dependent on the Earth's static magnetic field. LIGO scientists and engineers are in evidence as being serenely unaware of this crucial effect on their instrument.

There was never a scintilla of evidence that LIGO observed, or is even capable of observing, a gravitational wave, if such waves exist. Anybody that tells you different is either a wily fraud or a person who does not know his --- from a hole in the ground.

This Nobel Prize would be a laughable quackery had it not been for the fact that it casts a sepulchral pall upon our scientific civilization.

A world education message from Bibhas De 10/04/2017

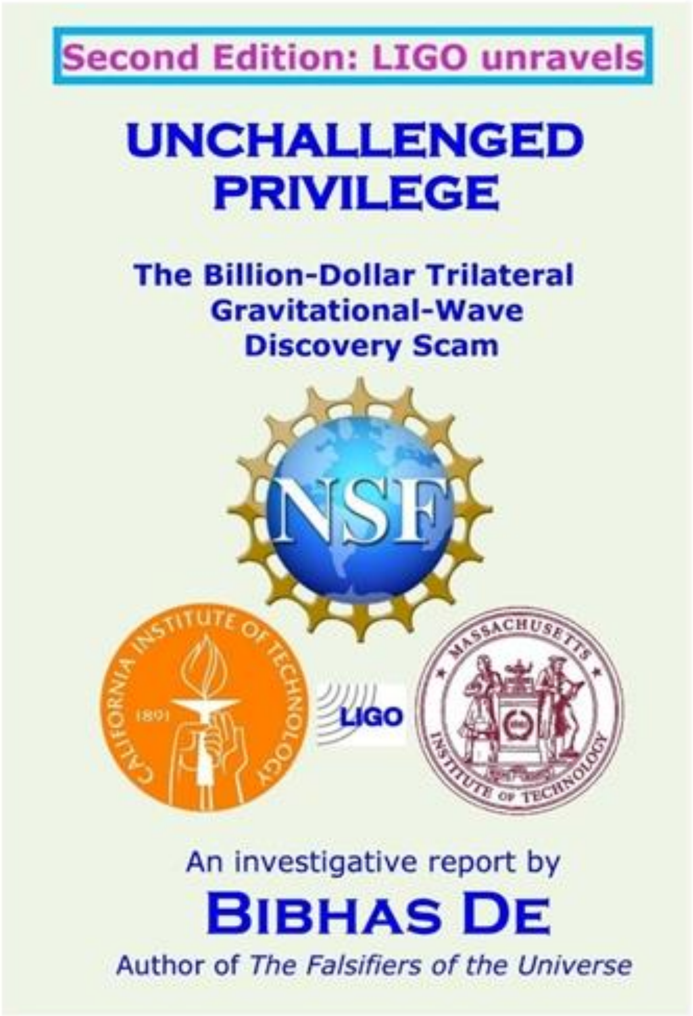


FAKE BABAS OF PHYSICSVILLE

In India some conmen assume the guise of much-trusted holy men (sadhus, babas), and promise to create for you *paiso ki barish* (rain of money; *paiso* = money, *barish* = rain). You bring a suitcase full of hard cash to the fake baba's jungle hideout in the hope he will make double that money rain from the sky for you. The rest you can guess.

The LIGO leaders – the gravitational wave discovery gurus – get your paiso via your national coffer. They promise you a firmamental barish. Can you guess what will happen next to you? *It's a hard rain's a-gonna fall.*

THE AUTHOR: Bibhas De busts physics gigabuck gigascams. Whether they are conducting this in the high frontier with a NASA satellite, on the white expanse of Antarctica with a coffee-can telescope or in the Louisiana bayou country with a kilometers-long latter-day dowsing rod, he unmasks them. His service to you is *gratis*.



Second Edition: LIGO unravels

UNCHALLENGED PRIVILEGE

The Billion-Dollar Trilateral Gravitational-Wave Discovery Scam

NSF
California Institute of Technology 1891
LIGO
Massachusetts Institute of Technology

An investigative report by

BIBHAS DE

Author of *The Falsifiers of the Universe*

from 9. Concluding remarks

Over the past several years I have investigated and reported on a number of grand scams in physics, perpetrated mostly in the murky frontier land of cosmology. But in doing so I have sensed, slowly and flittingly, the shaping of a longer-term trend. That trend is towards a denaturing of science by entrenching in it false elements through raw establishment power and highly clever machinations. This is a historical decline of the scientific civilization, unfolding before our eyes. We are watching our doom engulf us in real time. It is as though we are in a trance. We are lying languidly on faded opium divans in squalid dens and watching phantasmagoric razzmatazz playing out before us.

A LIGONAUT CROSSES THE GANGES

A ligonaut arrives at the river landing. There's only one dinghy there. The boatman - an old man in unwashed body rags - agrees to take him across for 50 rupees.

The ligonaut feels companionable and starts chatting: "Boatman, do you know how to trick quantum theory?"

The boatman looks vacantly, and eventually manages an answer: "Sahib, we have a Kanti Tewari in our village. But he's only 4 years old. So we don't trick him."

The ligonaut says: "I'd say that something like twenty-five percent of your existence on this earth is to no avail. But can you Fourier-transform a non-periodic time series?"

As the boatman struggles to give an answer, the ligonaut says: "Boatman, something like fifty percent of your existence is to no avail. Tell me if you at least know about coordinate systems in General Relativity."

"Sahib, I am just a simple villager. How would I know any Generals," replies the boatman.

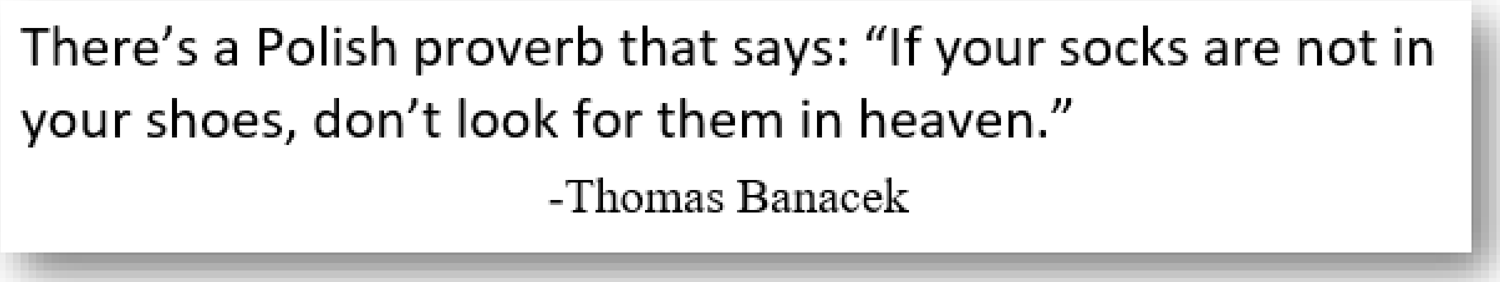
"Then it seems that something like seventy-five percent of your existence is to no avail," says the ligonaut.

By this time a storm that had been gathering turns to gale-force wind. The river swells ominously. Realizing that the boat is about to capsize, the alarmed boatman asks: "Sahib, do know how to swim in wavy waters?"

The ligonaut says he does not. Then the boatman says with genuine sorrow: "Sahib, it seems that fully one-hundred percent of your existence on this earth is to no avail."

02/01/2019

BLACK HOLE IMAGE:
A SOCKLESS WILCZEK



> There's a Polish proverb that says: "If your socks are not in your shoes, don't look for them in heaven."
>
> -Thomas Banacek

When the image of the M87 Black Hole was revealed to the world, Frank Wilczek took the role of a cheerleader. He wrote an article in the *Wall Street Journal*, 17 April 2019. He is not a radio astronomer. So he was simply describing what he had read. But he added his personal bit of 'beautiful' statement:

Yet, to a thinking mind, the image reflects the glory of understanding, and to an alert imagination it opens new portals into space, time and deep history.

Like wow! Here is a good example of what happens when you are preoccupied with your own public image that demands some appropriately pretty language, and you do not do the mundane thing of simply trying to understand the science. It was not difficult at all to see that this was another instance of physics megafraud. The following diagrams from Pierre-Marie Robitaille and myself explain the fraud.

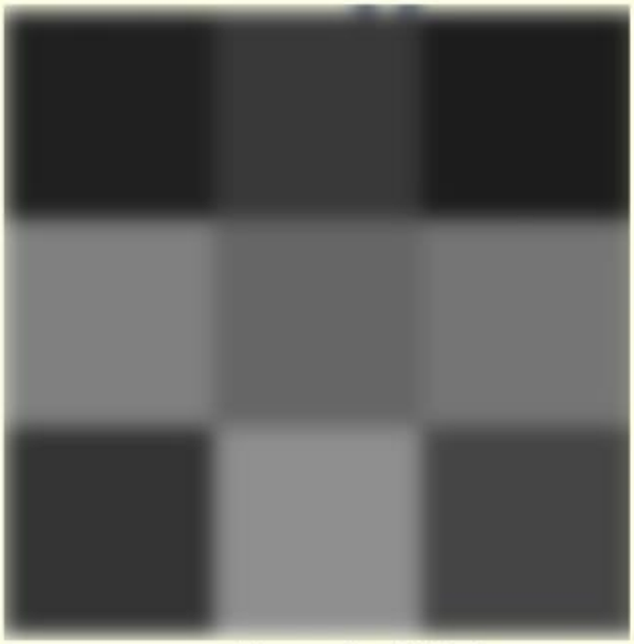
For God's sake, right up front in the discovery paper with the black hole image was inset the size of the interferometer beam. By just eyeballing you could see that nine (very noisy) beams are all they had across the image field. There was no other information to add, to evolve this into an image of any kind. How do you add more pixels (resolution) without more information? And yet they ended up with a full-blown image in the shape of a misshapen donut, and then explained how every aspect of this image made perfect sense. It was like a geology student doing an isopach, given nine dots on a piece of plain paper, with the elevation number of each shown. He has to use his geology knowledge and imagination to come up with a natural terrain with hills and rivers and lakes and what have you.

I mean, really! If Wilczek had proceeded further into the paper he would have read about the ‘template’ deal. And he had seen and supported this template same scam before, again and again (COBE, LIGO).

There is such a thing called physics gut. On the same day that this discovery was announced and the world went bonkers, there was one man who stood up and said this was all bunkum. He is the much-derided Stephen Crothers who, like Wilczek, is a theoretician. Crothers is one dude who has the physics gut. So does Pierre-Marie Robitaille who is mainly an experimentalist. Wilczek does not have the physics gut. There’s no two ways about it. And talking pretty does not endow you with the physics gut. As an Azerbaijani proverb has it: *It’s not by saying halva halva that your mouth will become sweet.*

EVENT HORIZON TELESCOPE RESOLUTION

Much has been said about *Very Long Baseline Interferometry*, *Aperture Synthesis* and *Deconvolution* which all help the EHT achieve enormously higher resolution than just the interferometric beam. But you cannot do this stuff when you have only two or three beamwidths across the "Black Hole" field you are imaging. More correctly, your computer program may give you some image, but it is garbage.



This is a cartoon figure I have made to explain the black hole photo. This figure represents the extent of the field of the orange-colored black hole image the world saw. In this field, the EHT could give you at most nine pixels. Each pixel corresponds to the size of the EHT beam cross-section (which may be actually circular to oval). In each pixel, the EHT gives you one number for the intensity. You can represent these numbers in greyscale. However, because each number has a large error bar, any correlation between adjacent pixels is lost.

But that is pretty much all EHT can give you. You may make many scans crisscrossing this image and acquire many incoherent wiggles, but how does that help?

Bibhas De 5/17/2019

COMPARATIVE FRAUDOLOGY

The discovery template scam:

It works on the "set a thief to catch a thief" principle. Rather than preserve the integrity of your precious data until the final observed result is obtained, contaminate the data with your discovery template at the very first step. Then pull out a signal that looks like your template.

	COBE Fraud	LIGO Fraud
SUBJECT:	BIG BANG COSMOLOGY	GEN. RELATIVITY
AGENCY:	NASA	NSF
COST:	$400 m	$1 bn
MANPOWER:	~ 1000	~ 1000
"DISCOVERED":	Cosmic Blackbody	Gravitational wave
INSTRUMENT:	Satellite in orbit	Observatory on ground
TECHNIQUE:	Interferometry	Interferometry
MOVING PART:	Mirrors, Calibrator	Mirrors
DATA DISPLAY:	Frequency domain	Time/Freq domain
FIX IS IN:	Onboard blackbody	Templating of pristine data
TEMPLATE:	Planck spectrum	Merging Black Holes
RESULT:	Uncanny agreement	Uncanny agreement
WAS THIS RESULT ON THE SKY?	No	No
INSTRUMENT SAW?	Sky	Geomagnetic disturbance
BUT WAS MADE TO REPORT:	Template	Template
SCIENCE LEADER:	Rainer Weiss	Rainer Weiss
WHERE WAS HE?	MIT	MIT

A world education message from Bibhas De 09/05/2017

LIGO and EHT BLACK HOLE DISCOVERIES

COMPARATIVE FRAUDOLOGY

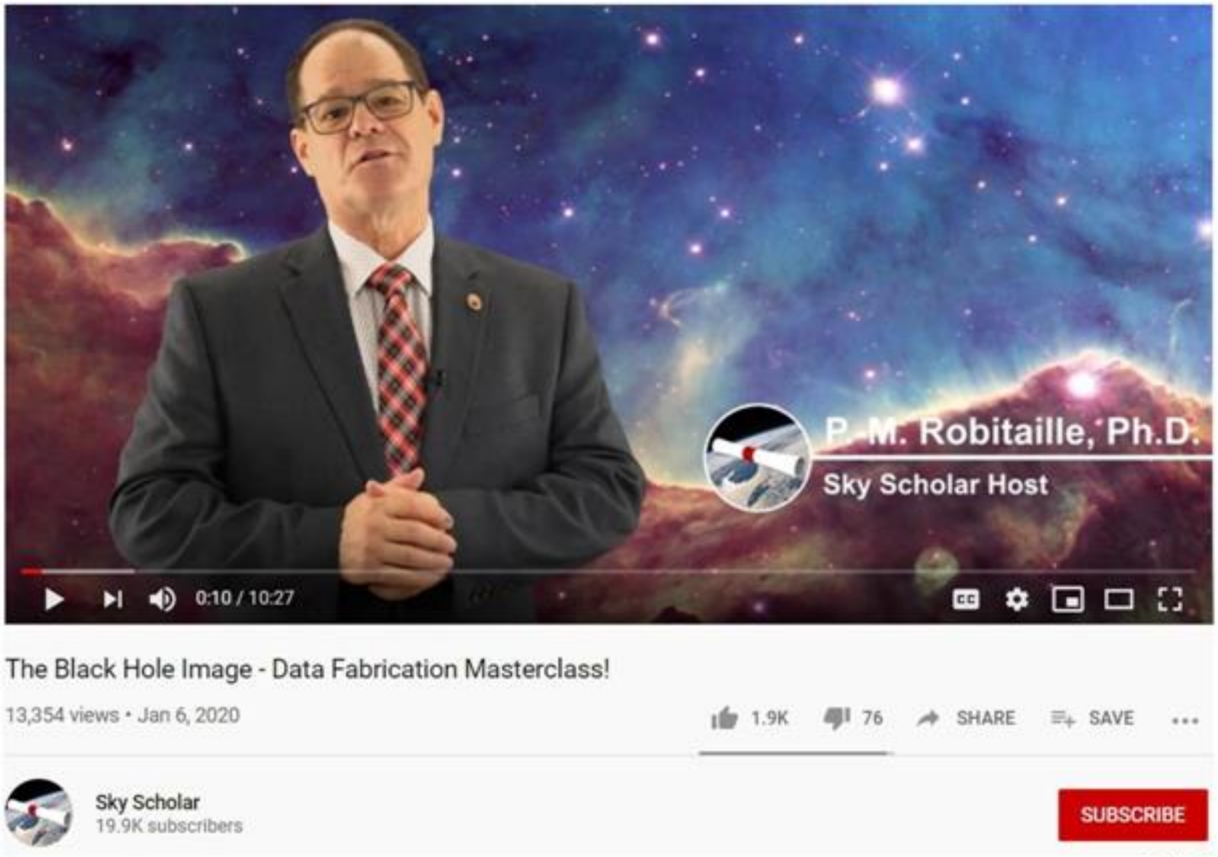
	LIGO	EHT
What?	Ground-based Observatory	Ground-based Observatory
Target	Binary black holes merging	Supermassive black hole
Objective	3D image of target	3D image of target
Receives:	Gravitational wave	Electromagnetic wave
Measurement data:	Transient waveform	Sweeps across source
Signal quality:	Highly noisy/obscured	Highly noisy/obscured
Discovery discernible in raw data?	No	No
Refining data can lead to discovery?	No	No
What now?	Template guiding of data	Template guiding of data
What template?	Binary black holes	Supermassive black hole
Target shepherds discovery process?!	Yes	Yes
Templating stated or implied?	Stated	Implied
Discovery happens?	Yes, by circular logic	Yes, by circular logic
Non-black hole scenarios ruled out?	No	No
3D image obtained?	Just as theory said	Just as theory said
Ah, the NSF high-tech discovery fraud!	You got it	You got it

DUTY TO WARN

Bibhas De 04/16/2019

OMG! SHEP DOELEMAN FABRICATED DATA!

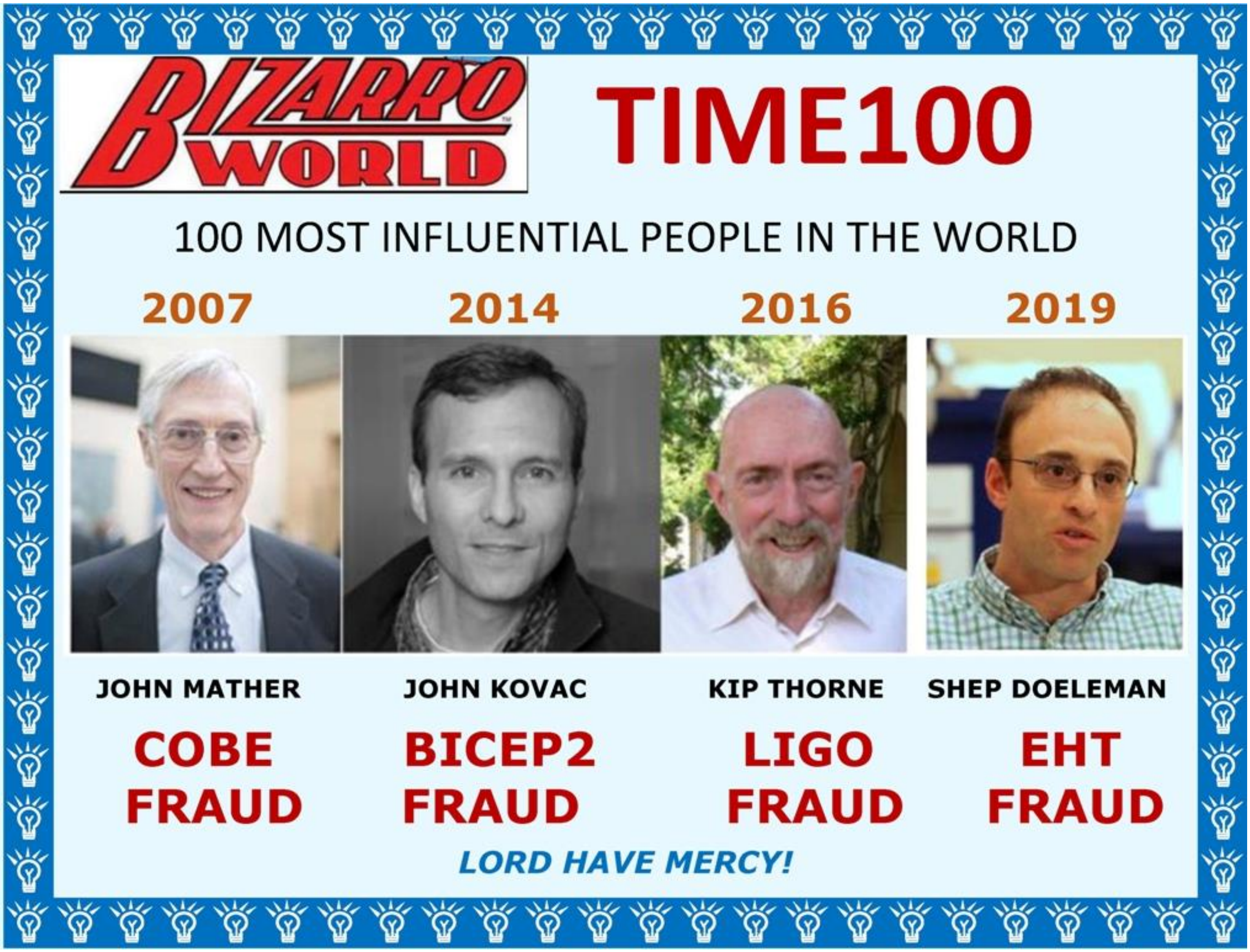
PROFESSOR PIERRE-MARIE ROBITAILLE, A WORLD-RENOWNED IMAGING EXPERT, EXPLAINS: THE NSF BLACK HOLE IMAGE FRAUD INVOLVED FABRICATION OF DATA



The Black Hole Image - Data Fabrication Masterclass!

13,354 views • Jan 6, 2020

01/26/2020



Every single one of these fraudulent discoveries was cheered on by Frank Wilczek in beautiful language.

WILCZEK AND MATTERLESS MASS: WHO IS ENTITLED TO DISCOVER?

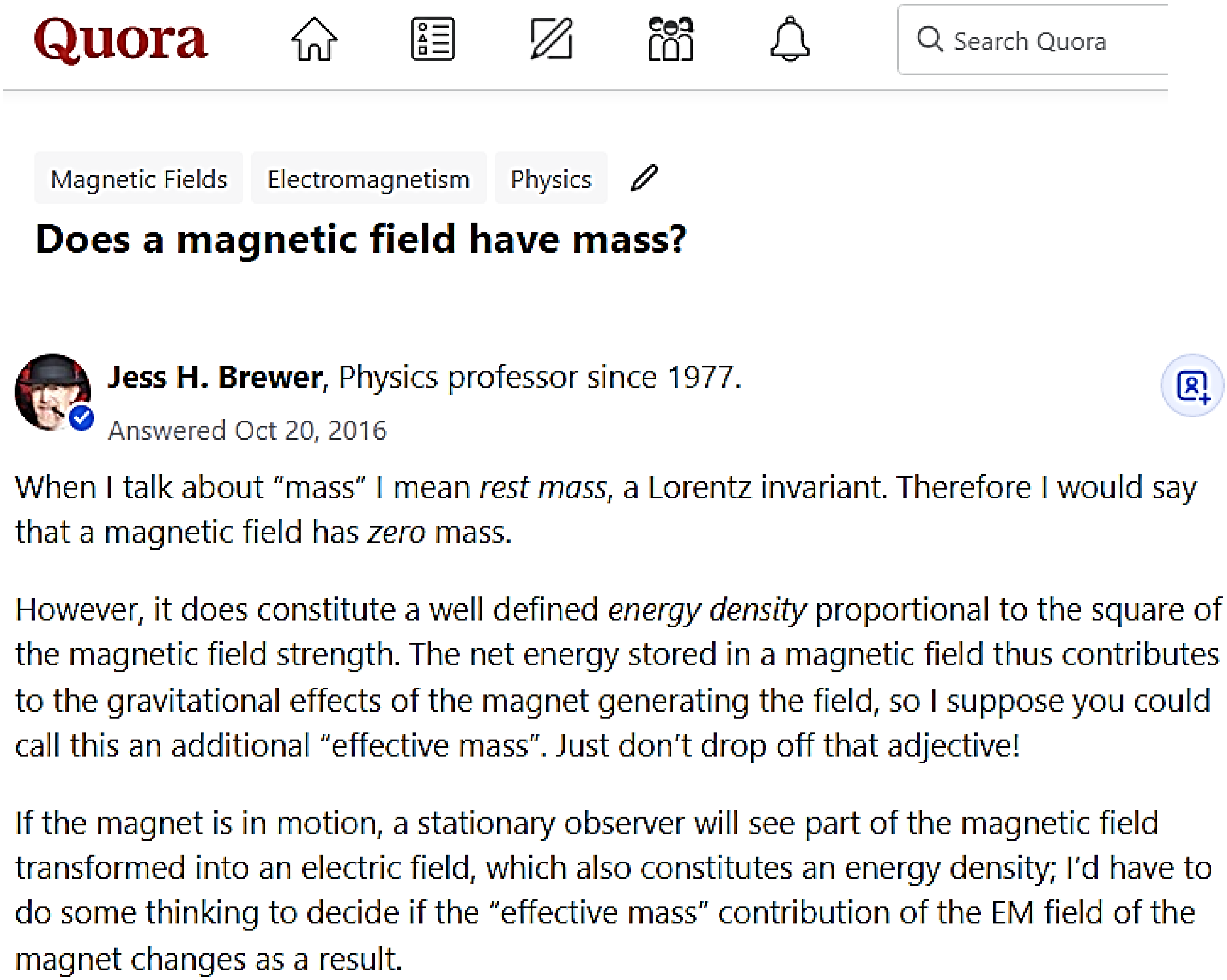
One of Frank Wilczek's signature contribution to both physics and cosmology is to expand on the idea of matterless mass. The best known of his ideas in this area is the axion. Wilczek likes to throw out playful nomenclatures (e.g. asymptotic freedom, Time Crystal), and axion is the name of a laundry detergent. Wilczek came upon the idea of matterless mass from the point of view of particle theory and from the perceived need in cosmology to seek a Dark Matter.

Speaking of his penchant for coinages, I remember that, decades ago, Wilczek started bandying around the expression 'matterless mass'. Strangely though, upon an Internet search today, I do not find anything connecting Wilczek to that particular expression. Dark Matter is the nomenclature now.

If there is a true physics need to invoke matterless mass, why is it that its discovery must come from within particle theory and/or Big Bang cosmology – Wilczek's domains? We are looking here at something most insidious and covert that has beset physics today: the entitlement to discover. This has led to discovery frauds.

In 1996 my paper suggesting that magnetic field in empty space has a nature of mass in classical physics, and is in fact a mass by the most unambiguous classical definition of mass. From this followed the further idea of a particle made entirely of magnetic field. See the next three illustrative graphics.

This idea has met with total, complete and absolute silence from the Wilczek-fawning physics establishment. However, I found an interesting comment on Quora from a long-time physics researcher and teacher that shows how – as with many issues in electromagnetic theory and thermodynamics especially – the physics establishment has decided to live with a lack of clarity rather than let anyone reopen such issues:



Does a magnetic field have mass?

Jess H. Brewer, Physics professor since 1977.
Answered Oct 20, 2016

When I talk about “mass” I mean *rest mass*, a Lorentz invariant. Therefore I would say that a magnetic field has *zero* mass.

However, it does constitute a well defined *energy density* proportional to the square of the magnetic field strength. The net energy stored in a magnetic field thus contributes to the gravitational effects of the magnet generating the field, so I suppose you could call this an additional “effective mass”. Just don’t drop off that adjective!

If the magnet is in motion, a stationary observer will see part of the magnetic field transformed into an electric field, which also constitutes an energy density; I’d have to do some thinking to decide if the “effective mass” contribution of the EM field of the magnet changes as a result.

UNDERSTANDING MAGNETIC FIELD
Bibhas De's New View

Michael Faraday (1791-1867)

"I cannot conceive curved lines of force without the conditions of a physical existence in that intermediate space."

James Clerk Maxwell (1831-1879)

"...we cannot help thinking that in every place where we find these lines of force, some physical state or action must exist in sufficient energy to produce the actual phenomena."

Bibhas De (1996)

"Thus magnetostatic field in the universe represents an 'invisible' mass."

(www.bibhasde.com/magmass.html)
Astrophys. and Space Sci. **239**, 25-33, 1996

BIBHAS DE'S MATTERLESS MASS

THE ESSENCE OF MAGNETIC FIELD: WHAT IS IT?

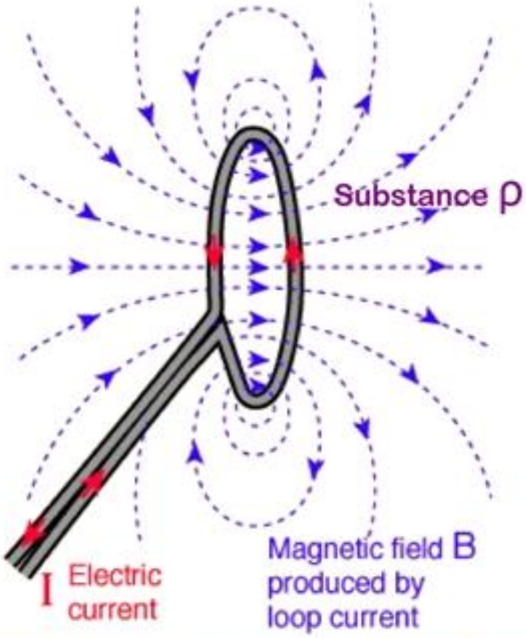


Image courtesy: http://hyperphysics.phy-astr.gsu.edu/hbase/magnetic/imgmag/curloo.gif

Magnetic field in any location in empty space derives from a matterless (or "invisible") mass present at that location (De 1996). What can we say about this newly discovered substance, having mass ρ per unit volume?

Although we know nothing about this substance, we know the properties of magnetic field – and from there we can work back to reach some conclusions.

First, the substance is FLUID. This is so because when a current loop is energized, the substance flows out from the battery to the surrounding space. When it is de-energized, the substance re-enters the battery.

Second, the substance is COMPRESSIBLE. This is so because there can be varying quantities of this substance filling a unit volume.

Third, it is necessary to assign to this substance a VECTOR character so that magnetic field will have a sense (arrow). A flowing fluid, for example, has a vector character. But we do not assume *a priori* that our new substance is flowing – just that it somehow has a vector character, to be explored later.

How does ρ relate to our familiar concept of the magnetic field B? Constants aside, this seems tentatively to be the relation:

$$\mathbf{B} \sim \text{curl curl (grad } \rho)$$

- giving new physics meaning to an old, tried-and-true technical definition!

B. R. De, Asrtrophysics and Space Science vol. **239**, 25-33, 1996.
www.bibhasde.com/magmass.html

THE PHOTON DEMYSTIFIED

(www.bibhasde.com/photon.pdf)

THE STRUCTURE Σ_1

$$b_{z1} = b_o J_o(s\alpha r)\, e^{-s\alpha z}$$

$$b_{r1} = b_o J_1(s\alpha r)\, e^{-s\alpha z}$$

$$b_{\phi 1} = 0,$$

with $s = z/|z|$ a shorthand notation, and α an arbitrary, positive real quantity.

THE STRUCTURE Σ_2

$$b_{z2} = (1/r)\, \partial(rA_{\phi 2})/\partial r$$

$$b_{r2} = -\, \partial A_{\phi 2}/\partial z$$

$$b_{\phi 2} = 0$$

$$A_{\phi 2}(r,z) = (b_o/\pi) \int_o^{\propto} \{[(2-k^2)K(k) - 2E(k)] / [k(rR)^{1/2}]\}\, J_1(\alpha R)\, R\, dR$$

with $k^2 = 4rR/(R^2 + r^2 + z^2 + 2rR)$.

PHOTON MAGNETIC FIELD STRUCTURE:

$$\Sigma\,(b) = \Sigma_1 - \Sigma_2$$

PHOTON MASS:

$$m = 2\pi\,\varepsilon_o \int_{-\propto}^{\propto}\int_0^{\propto} b^2\, r\, dr\, dz$$

OLD AND NEW VIEW OF CONCEIVING THE PHOTON

Old View: Planck -> Einstein

MAXWELL'S EQUATIONS

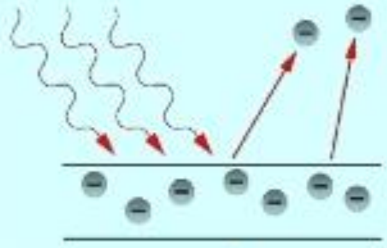
$$\nabla \cdot \mathbf{D} = \rho$$
$$\nabla \cdot \mathbf{B} = 0$$
$$\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t}$$
$$\nabla \times \mathbf{H} = \mathbf{J} + \frac{\partial \mathbf{D}}{\partial t}$$

↓

EM WAVE

⟲

PHOTOELECTRIC EFFECT



↓

PHOTON

Bibhas De's new view

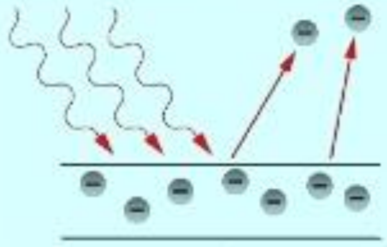
MAXWELL'S EQUATIONS

$$\nabla \cdot \mathbf{D} = \rho$$
$$\nabla \cdot \mathbf{B} = 0$$
$$\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t}$$
$$\nabla \times \mathbf{H} = \mathbf{J} + \frac{\partial \mathbf{D}}{\partial t}$$

↓ ↓

EM WAVE ⟲ PHOTON

PHOTOELECTRIC EFFECT



↓

PHOTON VERIFIED

PHILOSOPHIA KRATEITO PHOTON!

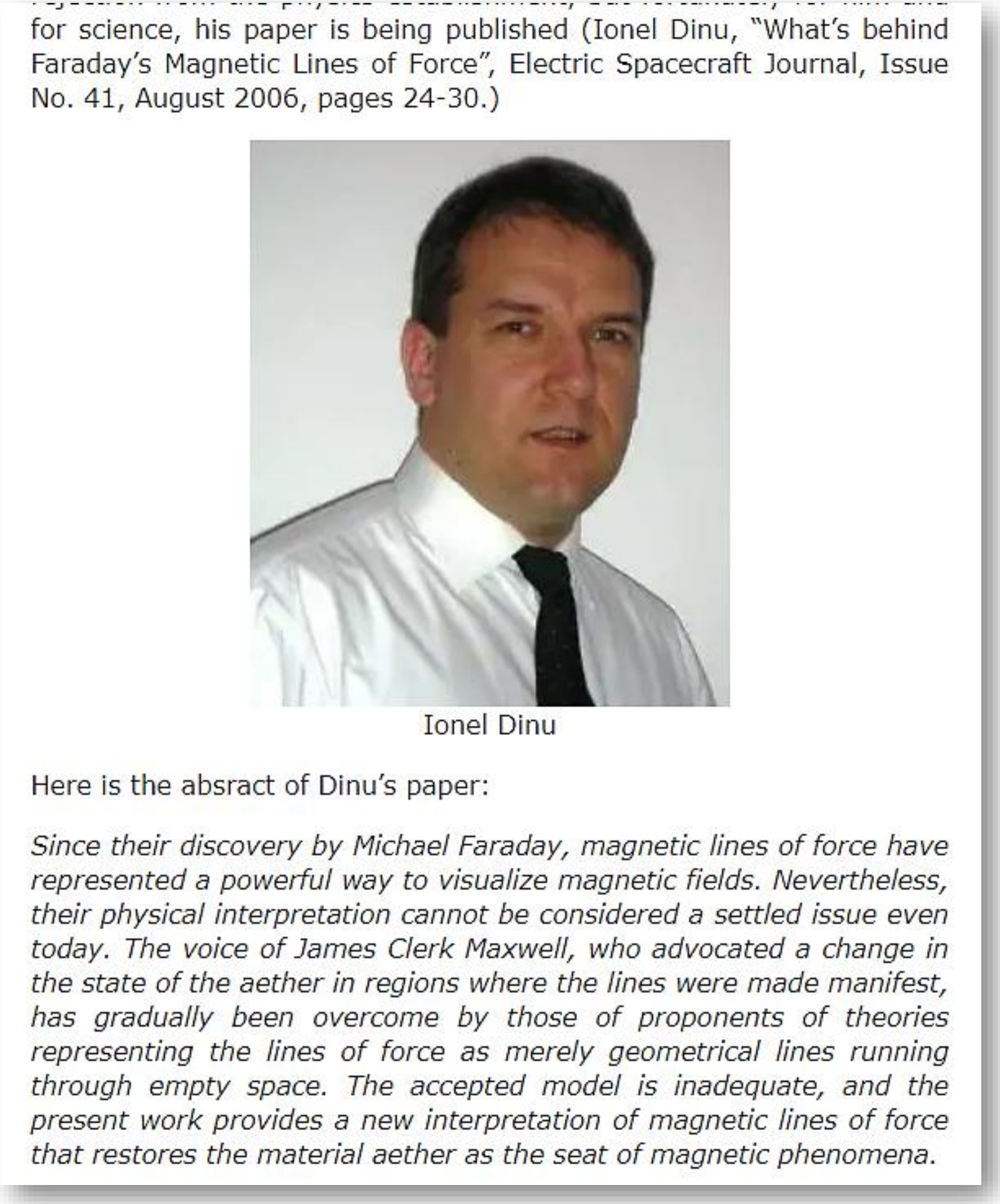
I think my relation here has a little physics beauty too:

$$\mathbf{B} \sim \mathbf{curl\ curl}\ (\mathrm{grad}\ \rho)$$

relating (apart from a constant in front) magnetic field **B** to the density ρ of the proposed matterless mass that produces it.

~^~^~^~

Ionel Dinu, a Romanian physicist, also proposed in 2006 that magnetic field in empty space corresponds to an actual physical presence. He spelled out the nature of this presence: Flow of ether. He was derided for resorting to the ether theory. But as you can see from the second graphic below, ether is kosher if Wilczek extols it. He even seems to appreciate need for invoking ether. His views were in plain view when Dinu made his proposal. I believe Dinu's support of ether was seen as bad physics that it cost him a Ph.D.



for science, his paper is being published (Ionel Dinu, “What’s behind Faraday’s Magnetic Lines of Force”, Electric Spacecraft Journal, Issue No. 41, August 2006, pages 24-30.)

Ionel Dinu

Here is the absract of Dinu’s paper:

Since their discovery by Michael Faraday, magnetic lines of force have represented a powerful way to visualize magnetic fields. Nevertheless, their physical interpretation cannot be considered a settled issue even today. The voice of James Clerk Maxwell, who advocated a change in the state of the aether in regions where the lines were made manifest, has gradually been overcome by those of proponents of theories representing the lines of force as merely geometrical lines running through empty space. The accepted model is inadequate, and the present work provides a new interpretation of magnetic lines of force that restores the material aether as the seat of magnetic phenomena.

The Persistence of Ether

Frank Wilczek

Quite undeservedly, the ether has acquired a bad name. There is a myth, repeated in many popular presentations and textbooks, that Albert Einstein swept it into the dustbin of history. The real story is more complicated and interesting. I argue here that the truth is more nearly the opposite: Einstein first purified, and then enthroned, the ether concept. As the 20th century has progressed, its role in fundamental physics has only expanded. At present, renamed and thinly disguised, it dominates the accepted laws of physics. And yet, there is serious reason to suspect it may not be the last word.

As with most general ideas, the germs of the ether philosophy, and its main competitor, can be discerned in debates among the ancient Greeks. Aristotle taught that "Nature abhors a vacuum," while Democritus postulated "Atoms and the void." The modern history begins with the contest between the world system of René Descartes, who proposed to explain the motion of planets as caused by vortices that sweep them through in a universal medium, and the austere theory of Isaac Newton, who specified precise mathematical equations for the forces and motions, but "framed no hypotheses." Newton himself believed in a continuous medium filling all space and, in Query 21 of his *Optics*, speculated on how it could be responsible for a tremendous variety of physical phenomena. But his equations did not require any such medium, and his successors rapidly became more Newtonian than Newton. By the early 19th century the generally accepted ideal for fundamental physical theory was to discover mathematical equations for forces between indestructible atoms moving through empty space. In particular, it was in this form that leading mathematical physicists, including such giants as André Marie Ampère, Karl Friedrich Gauss, and Bernhard Riemann, tried to formulate the emerging laws of electrodynamics.

It was Michael Faraday, a self-taught and mathematically naive experimenter, who revived the idea that space was filled with a medium having physical effects in itself. His intuition led him to devise experiments looking for physical effects of magnetic flux lines in "empty" space, and of course, in his law of induction, he found them. To summarize Faraday's results, James Clerk Maxwell adapted and developed the mathematics used to describe fluids and elastic solids. To orient himself, and to understand Faraday's conceptions in terms of more familiar things, Maxwell postulated an elaborate mechanical model of electric and magnetic fields. In the end, though, his equations could stand by themselves.

The first sentence of Einstein's original paper on special relativity refers to "an asymmetry in the formulation of electrodynamics, which does not appear to inhere in the phenomena." His paper's achievement was to highlight and interpret the hidden symmetry of Maxwell's equations, not to change them. The Faraday–Maxwell concept of electric and magnetic fields, as media or ethers filling all space, was retained. What had to be sacrificed was only the false intuition that motion at a constant velocity would necessarily modify the equations of an ether.

Indeed, the argument can be turned around. One of the most basic results of special relativity, that the speed of light is a limiting velocity for the propagation of any physical influence, makes the field concept almost inevitable. For it implies that the influence of particle A on particle B depends not on the present position of A, but rather on where it was some time ago. This makes it very awkward to build up dynamical equations in terms of the position of particles.

Though it required major conceptual readjustments, the mathematics required to bring the equations of mechanics—that is, the motion of particles in response to given forces—into a form consistent with special relativity, is not hard. Einstein developed it swiftly and painlessly. The remaining foundational piece of classical physics, the theory of gravity, posed a greater challenge. Although Newton's extremely economical, and extensively battle-tested, formulations deployed forces depending on the present distance between particles, special relativity taught that observers moving relative to one another would have different notions of distance, and that the speed of light bounded the transmission of all possible influences. Henri Poincaré formulated what is in retrospect the most straightforward response to these defects, modeling gravity as what we would now call a massless scalar field. (Of course, it was very far from straightforward in the contemporary state of the art!) But Einstein, influenced by the experimental results of Roland, Baron Eötvös of Vásárosnamény and inspired by his own famous elevator thought-experiment, sought a formulation in which the equality of inertial and gravitational mass, and the universality of gravitational response, were rigorous and organic features. As we know, he achieved this goal by identifying the gravitational interaction as the bending of spacetime by matter.

Thus in 1917, following Einstein's revelations, the electromagnetic field remained essentially in the form bequeathed by Maxwell, satisfying his "ethereal" equations. Moreover spacetime itself had become a dynamical medium—an ether, if ever there was one. For example, a major consequence of general relativity is that distortions of spacetime can themselves produce further distortions, initiating gravitational waves.

To account for physical phenomena, one needs—apparently—more than the gravitational and electromagnetic fields. Electrons, for instance. By 1917, J. J. Thomson had discovered them, Hendrik Lorentz had made impressive progress in understanding many properties of matter from a theory in which they are prime players and Niels Bohr had used them to make

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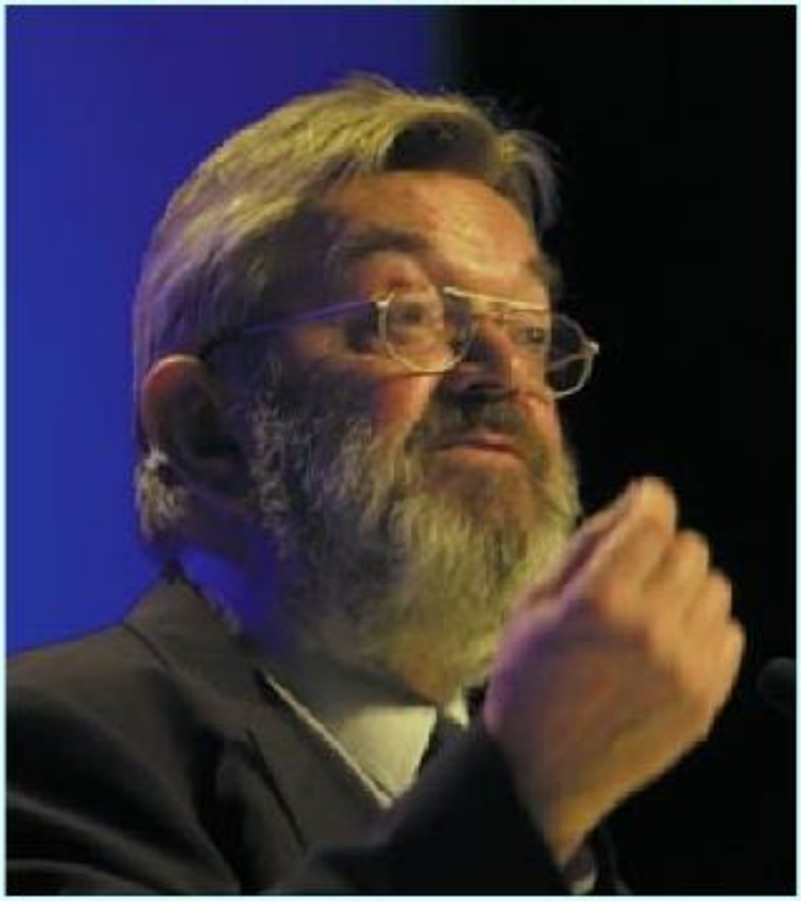
AN APT COMMENT ON BIG BANG COSMOLOGISTS



“all this stuff about dark matter is total bullshit”.

Prof. Dr. Martinus Justinus Godefriedus Veltman,
Physics Nobel Laureate,
Speaking at the Lindau Nobel meetings, July 2010

THE HOT DAMN HYPOTHESIS

(2011 NOBEL PRIZE FOR PHYSICS EXPLAINED)

On the day of summer solstice at high noon, three American brothers are passing in front of the Royal Swedish Academy of Sciences (kva) in Stockholm. They come upon a tall Swede who is just walking out of the kva.

1st American: You are taller.

Swede: Excuse me!

2nd Am: You are taller than what our Hot Damn Hypothesis says.

Sw: What is the Hot Damn Hypothesis and what does it have to do with me?

3rd Am: Hot Damn Hypothesis was formulated by our Grand Dragon Bishop LaMuerte. It says that if you meet a Swede at high noon on summer solstice in front of the kva, he will be 5 feet 10 ½ inches tall.

Sw: Well, I am 6 feet 2 inches. So your hypothesis is wrong.

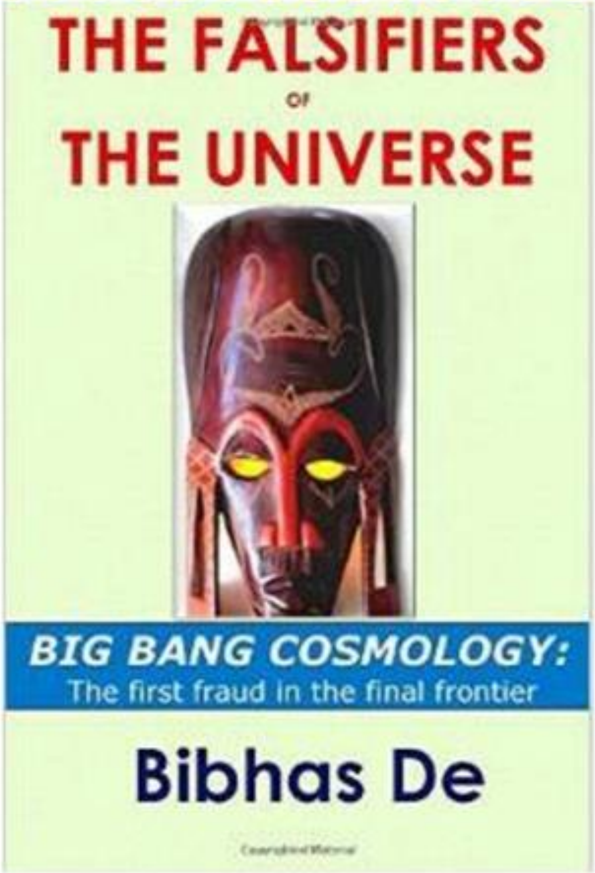
1st Am: No, the HDH is Received Truth and cannot be wrong. So give us a minute to figure out what is going on here.

[The three brothers huddle. Suddenly their faces light up all at once.]

2nd Am: We've got it! It is nothing less than a shocking physics discovery. The HDH also says that after high noon, the height will be greater. That means that even though our watch says high noon, it is actually later than that.

3rd Am: So our discovery is that the speed of spinning of the Earth is accelerating!

Sw: Hot damn!! Well, come in, come in. Let's go into the building and have some refreshment while I see if I can rustle up couple of three Nobel Prizes.



THE FALSIFIERS OF THE UNIVERSE

BIG BANG COSMOLOGY:
The first fraud in the final frontier

Bibhas De

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UNDER THE AEGIS OF THE GODDESS OF TRUTH
THE AUTHOR INVESTIGATES
BIG BANG COSMOLOGISTS

Excerpts from the book:

Slowly abject scientific quackery had morphed into diabolic deceit. Increasingly strident rhetoric about advanced space-age technology and fantastic measurement accuracy was made to swirl around the deceitful discovery. Every power group that could be mobilized to protect the enterprise was mobilized to protect it. Every accolade that could be bestowed to whitewash over it was bestowed to whitewash over it.
It was a very dark chapter of science.

There is a Bengali proverb about sleaziness:
Lewd dancing going on behind the veil of modesty.
Here we have an entire phantasmagoric orgy being played out on the world stage – among the noblest of noble intellectuals. Taxpayers are footing the bill.

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SAUL PERLMUTTER, *Big Bang Nobel Laureate*

So either Perlmutter has to accept the 2.7 K and fall with it when it falls; or he has to reject the 2.7 K and lose his Discovery Template. Either way, he has no discovery of any kind. Just some fine astronomical observations.

Thus it cannot be said that there is a Big Bang Firewall between the Perlmutter and the Mather discoveries or between their scams. As goes Mather so goes Perlmutter.

> You can't dance at two weddings with one behind.
>
> Yiddish proverb

THE PERVERSE ACCELERATING UNIVERSE

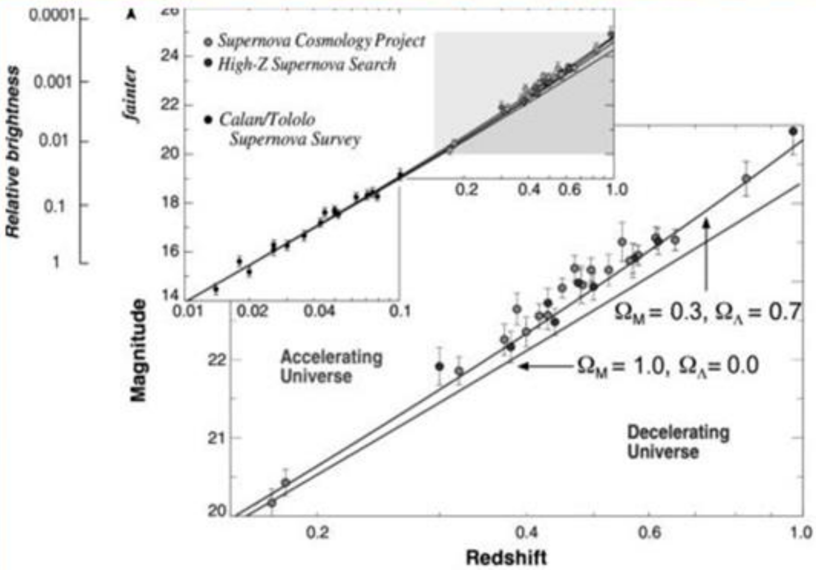
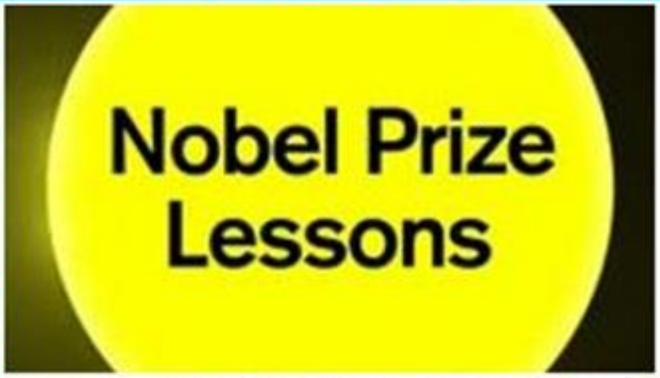


Figure: "The Hubble diagram plot of the apparent magnitude of Type Ia supernovae plotted as a function of their redshift (top). At a redshift below about z = 0.1, there is a linear fit to the data, but at larger redshifts the observations begin to diverge from a straight line. The curved departures for distant supernovae at high redshift indicate an accelerating universe in which the speed of expansion is increasing. (Adapted from Saul Perlmutter, Physics Today April 2003.)"

In my book *The Falsifiers of the Universe* I explained in detail why this universe-shaking discovery (Nobel Prize 2011 to Perlmutter, Schmidt and Riess) was a very earthly scam. Here is a clear point of logic. There are two data clouds: The old data (left part, z = 0.01 – 0.1) establishing the Hubble straight-line template (expanding universe), and the newly obtained "discovery" data (right part, z = 0.2 – 1.0) showing upward deviation from that template, indicating - theory says - an accelerating universe. But suppose that historically the right cloud had been found first and the Hubble straight-line template had been firmly established with *it*, exactly how and why it was done originally. (The logistics or the historical plausibility of this happening are irrelevant.) Then the left cloud was just recently found. What now…?! In any event, the accelerating universe rests on the expanding universe which in turn rests on the 2.7 K blackbody spectrum whose discovery is a fraud. So fraud begat fraud. 01/20/2019



INSPIRATIONAL PROFILES OF CEREBRAL FRAUDS

↑

WOO WOO ...THE GREAT PERLMUTTER SCARE!

Now young folks, let me tell you a story 'bout a dude I heard of. When Saul Perlmutter reported his discovery, you were not even born. One morning – it was like any other morning – the world woke and heard that the Universe is falling apart. People became worried and started calling any scientists they could reach, asking: "How much time have I got?"

Saul's discovery came out of the womb of Big Bang. But at the time he was given the Nobel Prize, Big Bang stood totally disproved (because of the fraudulent 2.7 K blackbody spectrum which had earlier got the Nobel.) So a fraudulent Nobel discovery was created on the back of another fraudulent Nobel discovery, even though the Swedes knew everything.

Saul does his fraud with finesse. It is not difficult to see through the fraud. It is difficult to know how best to put it in words. I have explained this scientifically in my book, but here is a general way for you to understand it. Saul built a steel-belted radial tire. First he put a steel ply. The he put a loose cotton ply. Then he put a glass ply. Then he put a ply of wispy nothing. And so on…, finishing up with a steel ply. He falsely used loose assumptions and conjectures as logical scientific steps to erect his fantastic story. In a quality scientific setting, he would be laughed out of the hall where he was unveiling his 'discovery'. In a Nobel-faked world, he's a great discoverer. By today this 2011 Nobel Prize stands seriously questioned by Saul's peer. Today he is one fluffy treed Nobel cat.

Duty to Inform A world education message from Bibhas De 12/24/2017

AESTHETICISM→ SPIRITUALITY→ RELIGIOSITY→ FULL-ON GODTALK

> There's a Polish proverb that says: "Even a thousand-zloty note can't tap dance." – Thomas Banacek

At some point, Frank Wilczek stepped out of the familiarity of the realm of physics and ventured into aesthetics. Then he hooked up with Deepak Chopra and ventured further into the domain of spirituality. Then there was further delving into his own religiosity, and from there boldly on to his God.

This seems to be an effective formula – intended or not - for attracting the attention of the folks at the Templeton Prize. It is given for "the insights that science brings to the deepest questions of the universe and humankind's purpose and place within it."

For a scientist who has already received the highest scientific honors, Templeton Prize adds that extra little *je ne sais quoi*. It puts a candied cherry on top.

And the money is no chump change. Templeton Prize gives you considerably more money than the Nobel Prize.

Francis Collins the biologist (of the Human Genome Project fame) applied this formula recently except he skipped aesthetics and Deepak Chopra altogether. In his book *The Language of God*, he posits that "belief in God can be an entirely rational choice, and that the principles of faith are, in fact, complementary with the principles of science." In no time flat Templeton was his.

Some say that behind the stated noble goal, Templeton Prize is really about promoting religion on the back of science. If you are bucking for this prize, you might as well go all the way and do the full-on godtalk. This is what Wilczek did. Now the wait.

The story of Wilczek's religiosity seems to be this: He was born and baptized a Catholic. But even as a young boy, he had a deep crisis of faith. Then science gradually made him turn an agnostic. Then beauty and spirituality turned him a pantheist. One that frequently takes the name of the Lord. Is that short of being a man of faith?

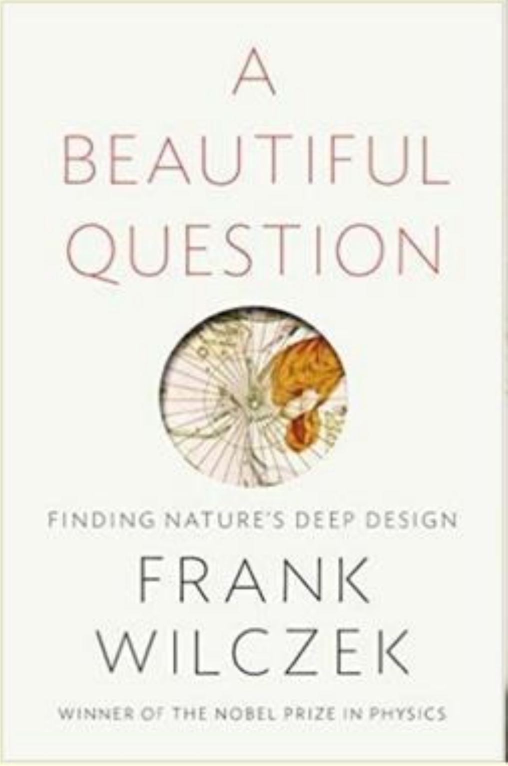
Personally, I have absolutely nothing against a scientist being an atheist or a believer or anything in between. I am only trying to create here an awareness about leveraging on good thing (religion, say) on another, seemingly unrelated good thing (science, say). How far do you carry this?

I cannot find the exact quote, but Hannes Alfvén said something like this: Mind belongs to science, heart belongs to God, and there is no conflict.

In this view, a physicist's inner life is his sanctum sanctorum. You don't let it all hang out.

BOOK REVIEW:

A BEAUTIFUL QUESTION by Frank Wilczek



A
BEAUTIFUL
QUESTION

FINDING NATURE'S DEEP DESIGN

FRANK
WILCZEK

WINNER OF THE NOBEL PRIZE IN PHYSICS

Such a book would probably be self-published and would remain totally obscure had it been written by an unknown author. This book is published commercially and receives worldwide prominence and rave reviews and brisk commerce solely because the author is a high-profile, star-bellied Nobel Laureate. But this much is OK. Such is life.

Frank Wilczek received his Nobel Prize for a sham confirmation of his “discovery”. This is not OK. The consumers do not know this. With this book Wilczek is scamming further. By bringing Deepak Chopra into the bargain (i.e. by implying Wilczek’s beauty ≡ Chopra’s spirituality), Wilczek is in effect bucking for the $1.7 million Templeton Prize, given for a mishmash of science and spirituality.

The overwhelming “beautiful question” for the world citizenry in this context is this: *Is this Age of Fakery of ours beautiful or what?*

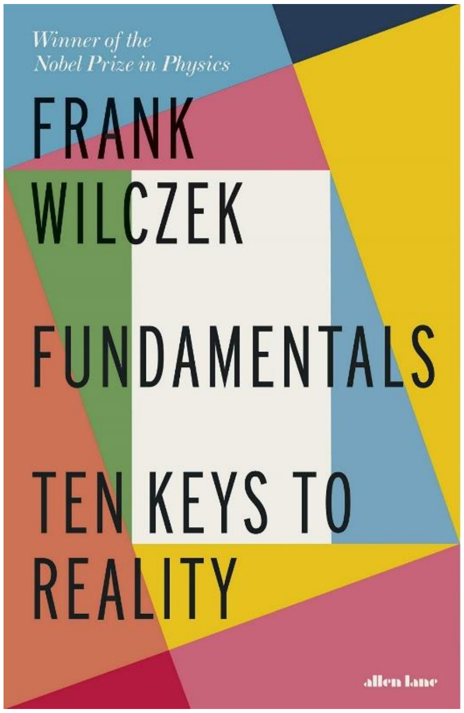
A world education message from Bibhas De 10/25/2015

A SECOND STAB AT TEMPLETON PRIZE?

The “Beautiful” book was published in 2015. When the Templeton Prize did not materialize in the next few years, Wilczek put out another book ”Fundamentals” in 2021, this time going full tilt with godtalk. Excerpts from an interview with Claudia Dreyfus of Quanta Magazine, January 12, 2021:

There’s a lot of God in your book.
Yes.

There probably aren’t many scientists at your level who’d go there.



Well, I happen to think these issues are too important for scientists to leave on the table.
You know, science actually has a lot to say about what God is or about what God did. Understanding his/her/its work — that’s a direct way of informing yourself about what God is. There’s a great tradition that goes back to Galileo, Kepler, Newton, Maxwell and Einstein of looking at religious questions. Most of those people were explicitly, deeply religiously Christian.
Einstein, of course, was not. He described himself as having an attitude, similar to that of Spinoza, of a kind of pantheism, a more abstract idea of the world as God.
When I was a teen questioning my family’s Catholicism, I came upon this concept of complementarity that helped me a lot: There can be different ways of approaching the same question. Often there are different ways of describing the same thing. They can be valid each in their own terms, but they may sometimes be very difficult or even

impossible to reconcile. So many of the conflicts between religion and science arise because they're answering different questions. There are many conflicts where religions say things that are just wrong, but there are many other domains in which they are just addressing different questions.

In science, you're broadly asking, "How does this work?" In religion, you're asking, "What does this mean and what should I do about it?"

Are you religious?

Physics is my religious belief. In the sense that in physics we discover a fantastically wonderful world out there that's rich in potential, rich in realization, and that has ample scope for fantasy, because the laws are so strange and there's so much stuff out there to understand. And when you understand it, you understand how that could be.

I learn that I myself am very small. But I am also very large because I contain multitudes, as Walt Whitman said. I can process information. I can understand things. I can imagine. I can have fun. That's the essence of my religion. I learn my religion from the study of what the world is and how it works.

Another interview by Nell Freudenberger published in Nautilus, March 17, 2021, we get a further glimpse into the subject:

I wasn't going to ask this, but since you said you grew up Catholic, was there a moment where you lapsed? Or are you still …

Yes, there definitely was. There was a crisis. There's a ceremony in Catholicism called Confirmation. When you reach the age of reason, which I think was 12 or 13, you get the confirmation for a more informed commitment. We went on a retreat for a weekend. It was really intense, going through the doctrines and getting enthusiastic. I was very taken with that. I had always been serious about thinking about the issues raised in the catechism and trying to interpret it as truth. At the same time, I was learning about science and reading subversive people like Bertrand Russell. But that retreat brought things to a head. In the moment, I held to the faith. But right afterward, it was just like the dam burst. And when it burst, it just leveled. There was no …

No going back.

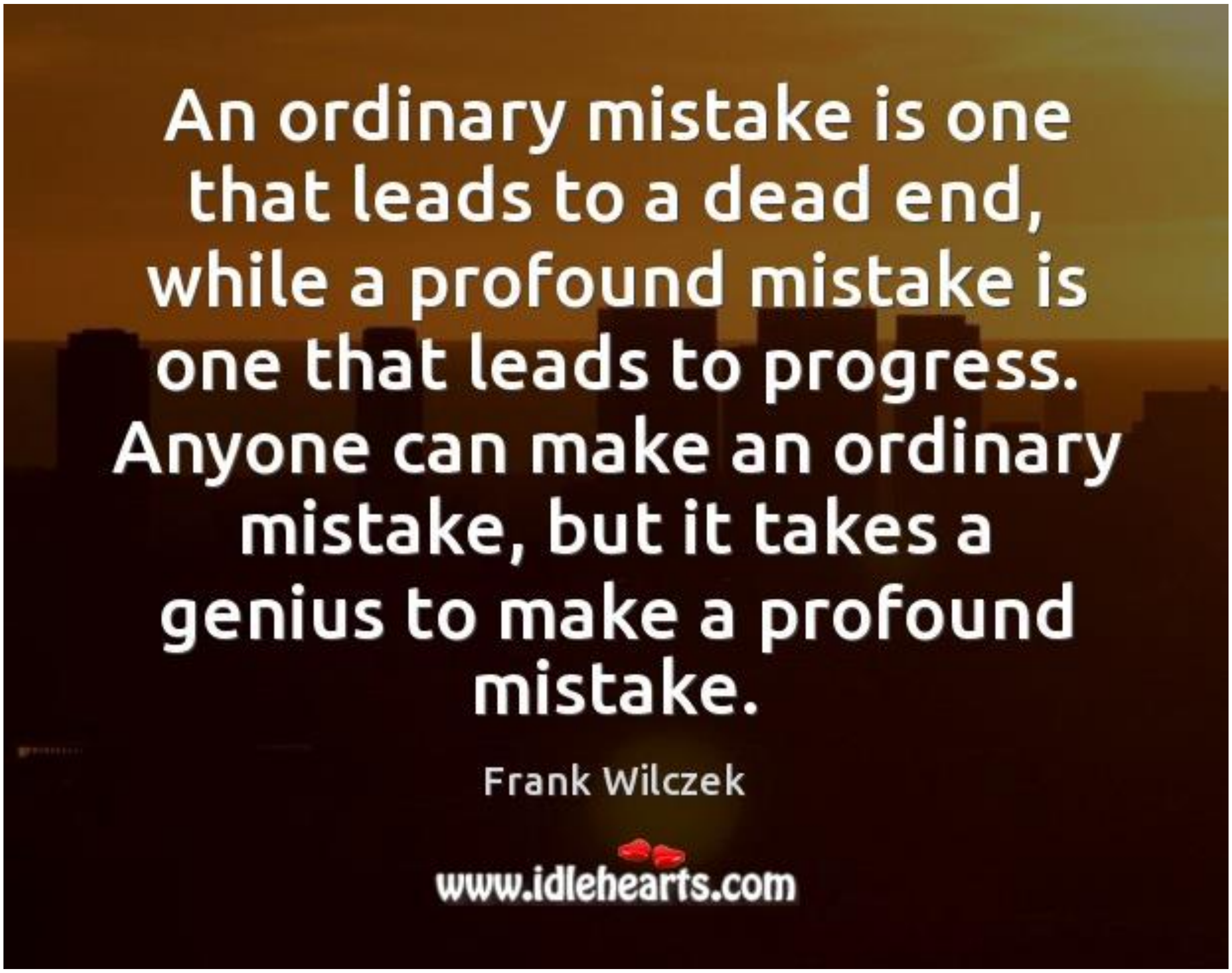
There was no going back, right. For me, at least, once you start to examine the doctrines as being not the word of God but the products of people who didn't understand things very well, you start to see the worldview was, in many ways, so paltry. It was all about Middle Eastern real estate.

~^~^~^~

There is little doubt in my mind that Wilczek will be awarded the Templeton Prize – sooner rather than later. The Prize needs him to strengthen itself. Only Wilczek can undo the 'damage' his senior colleague Steven Weinberg has done to the image of God.

Just think: Wilczek the ultimate go-to guy of physics, the most no-nonsense science of all sciences, makes the case for bringing spirituality and transcendence to every physicist's desk. *Mama Mia! That's-a one spicy meatball!*

WILCZEK APHORISM

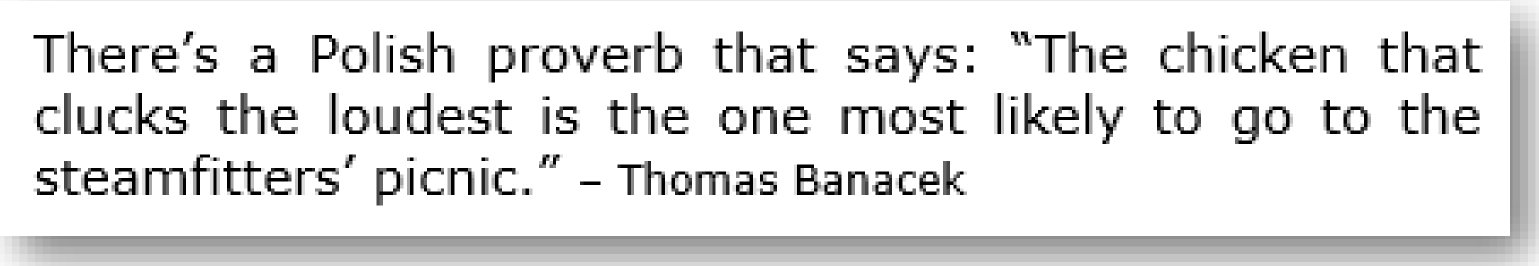


An ordinary mistake is one that leads to a dead end, while a profound mistake is one that leads to progress. Anyone can make an ordinary mistake, but it takes a genius to make a profound mistake.

Frank Wilczek

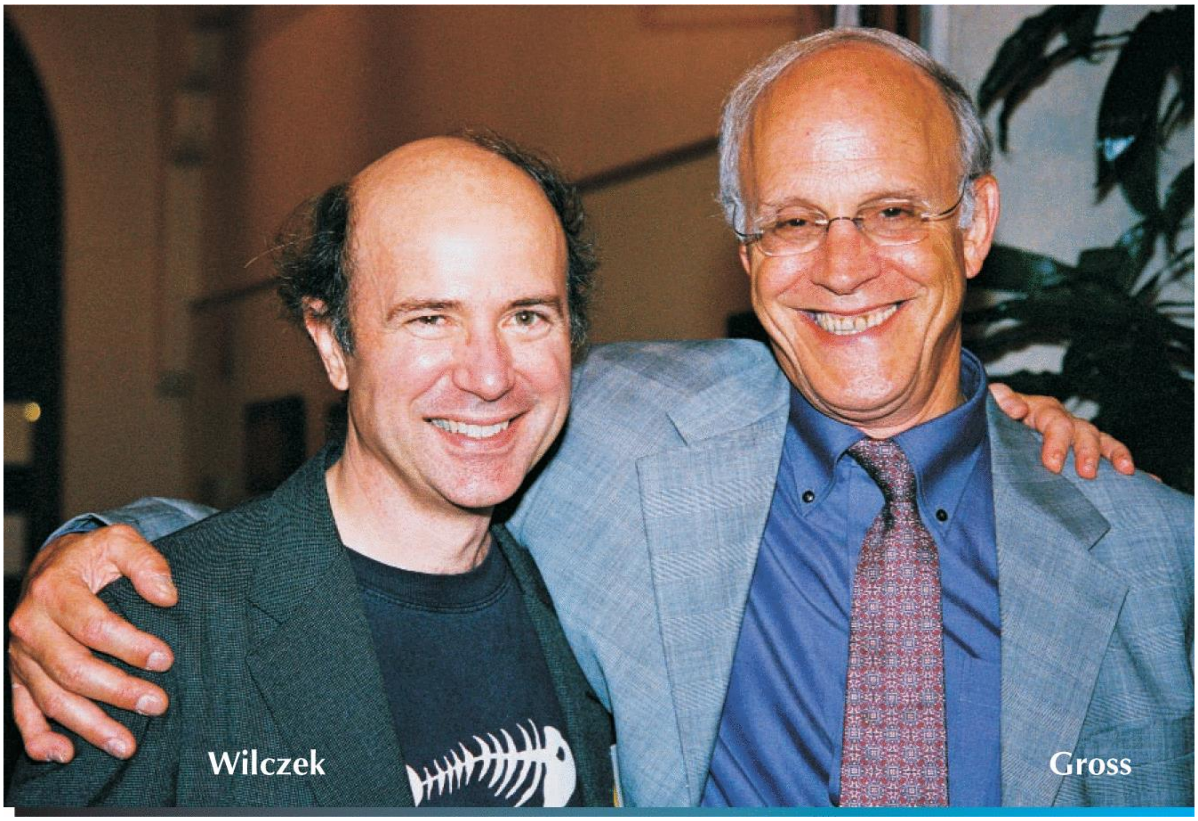
www.idlehearts.com

Are Wilczek’s numerous mistakes in cosmology profound mistakes?
Did any progress emanate from them?

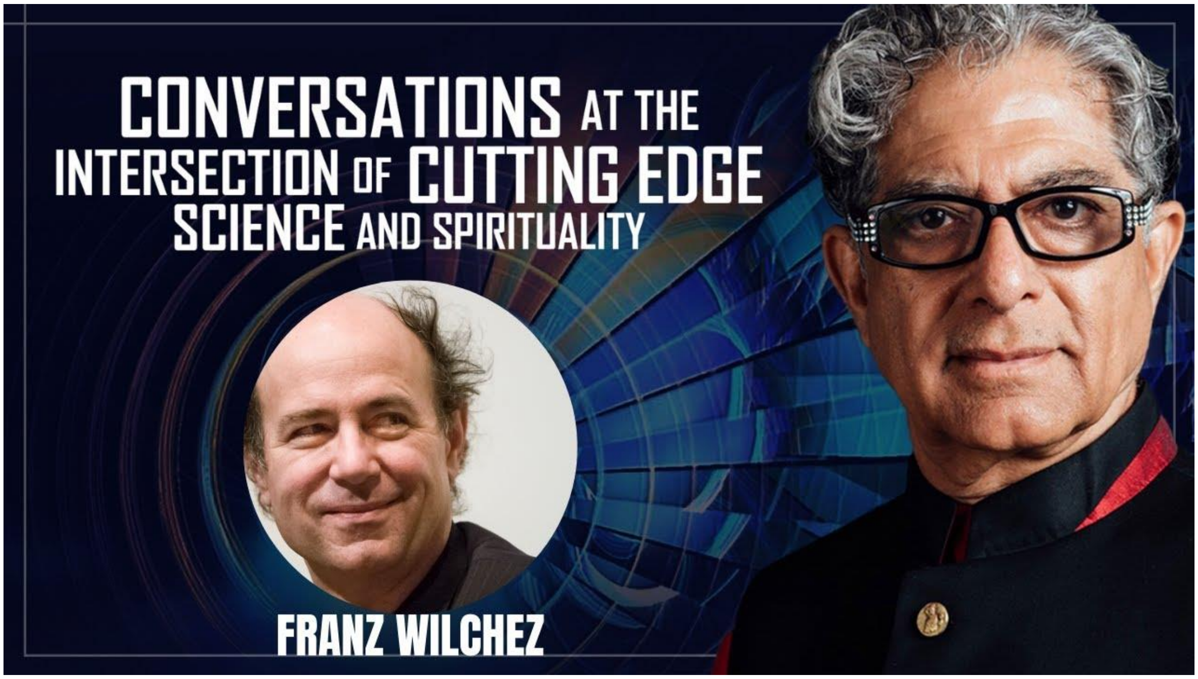


There’s a Polish proverb that says: “The chicken that clucks the loudest is the one most likely to go to the steamfitters’ picnic.” – Thomas Banacek

> "When an owl comes to a mouse picnic, it's not there for the sack races." – Thomas Banacek.



THE TAUGHT AND THE TEACHER: FRAUD PUSHERS


CONVERSATIONS AT THE INTERSECTION OF CUTTING EDGE SCIENCE AND SPIRITUALITY
FRANZ WILCHEZ

THE DISCIPLE AND THE GURU: GOD PUSHERS

FROM GODTALK TO GREENBACKS: THE ATTAINABLE ASYMPTOTE

Frank Wilczek's mind reportedly hovers over the calm and limpid spaces of thought where science mingles with spirituality, math mingles with beauty, and human imagination mingles with God's. We are continually kept abreast of his mindwalk in his timely bestsellers. Ethereal dreams of Wilczek's other worlds garner for him crisp greenbacks of our world. As Onslow would say: Aw, nice!

Does all this sublime high-wire acrobatics help qualify him as a go-to person in physics? The reality is that he is an unquestioned living authority of physics. He holds sway over influential institutions such as the Nobel Prize in physics. He and his teacher David Gross may have been involved in the ultrafast awarding of the LIGO Nobel Prize.

We need to partition off Wilczek the Physicist from Frankie the God Guy. His own discovery – from which his authority flows – lacks scientific standard of proof. He has also been personally invested – science-wise - in every single mega-fraud that came along during his career (Big Bang, BICEP2, LIGO, Black Hole image). There is such a thing called physics gut. If you had it, you would not be habitually rejoicing in the serialized discovery weirdorama.

Do you know why these nine days' wonders of physics do nothing to provide that actual leadership which is direly needed today: deal with decades of accumulated crap in their Augean Stables? That's because in doing so they would themselves get gored where it hurts. Banacek: "*A truly wise man never plays leapfrog with a unicorn*".